HITACHI
Inspire the Next

DVD/VCR Combo (DVD PLAYER with VIDEO CASSETTE RECORDER)
INSTRUCTION MANUAL

DVD VIDEO

COMPACT disc DIGITAL AUDIO

COMPACT disc Recordable

COMPACT disc ReWritable

DOLBY DIGITAL

dts DIGITAL OUT

VHS PAL

MP3

SHOWVIEW®

SHOWVIEW is a registered trademark of Gemstar Development Corporation. The SHOWVIEW system is manufactured under licence from Gemstar Development Corporation.

MODEL
DVPF3E
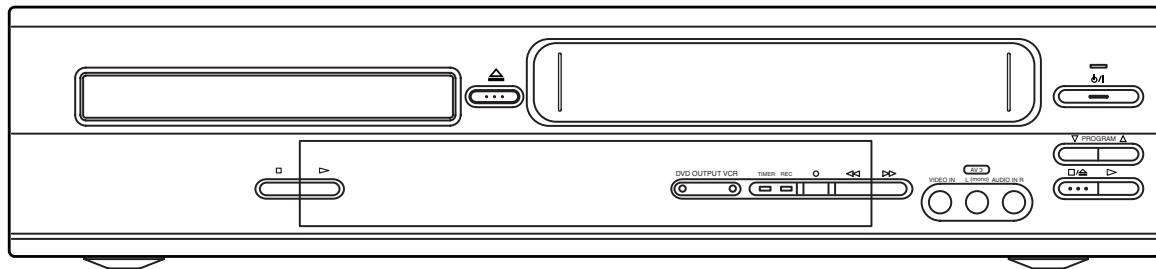
Instruction manual
To obtain the best performance and ensure years of trouble-free use, please read this instruction manual completely.

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.
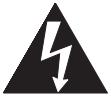
CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SER-VICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
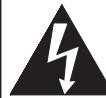
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

LASER SAFETY

This unit employs a laser. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.

CAUTION: USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION: VISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED.
AVOID EXPOSURE TO BEAM.

LOCATION:
   * PRINTED ON THE BACK

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
KLASS 1 LASER APPARAT
CLASSE 1 PRODUIT LASER

PRECAUTIONS

POWER SUPPLY

The main power supply is engaged when the main plug is plugged in a 220-240V~ 50Hz AC outlet. To operate the unit, press ⏻/| (Standby/ Power ON) to turn on the unit.

WARNING

TO AVOID THE HAZARDS OF ELECTRICAL SHOCK AND FIRE

1) Do not handle the power cord with wet hands.
2) Do not pull on the power cord when disconnecting it from AC wall outlet. Grasp it by the plug.
3) If, by accident, water is spilled on your DVD/VCR, unplug the power cord immediately and take the unit to our Authorized Service Center for servicing.
4) Do not put your fingers or objects into the DVD/VCR cassette holder.
5) Do not expose this unit to rain or moisture.

DEW WARNING

Moisture condensation may occur inside the unit when it is moved from a cold place to a warm place, or after heating a cold room or under conditions of high humidity. Do not use the DVD/VCR Player at least for 2 hours until its inside is dry.

> **WARNING:**
> **LIVE PARTS INSIDE.**
> **DO NOT REMOVE ANY SCREWS.**

CAUTION

1) Do not attempt to open the cabinet. There are no parts you can service inside. Refer all servicing to qualified service personnel.
2) Slot and openings in the cabinet and at the side or bottom are provided for ventilation. To ensure reliable operation and to protect the unit from overheating these opening must not be blocked or covered. Avoid enclosed spaces such as book cases unless proper ventilation is provided.
3) Keep the unit away from the direct sunlight, the radiator heat sources, and dusty or humid places.
4) Avoid locations subject to strong vibration or strong magnetic fields.
5) Do not push objects of any kind into this through the cabinet slot as they could touch current carrying parts or short circuit parts resulting in a fire or electric shock.
6) Never spill liquid of any kind on this unit. If liquid is spilled into the unit, consult qualified service engineer.
7) Use this unit in a horizontal (flat) position only.
8) This equipment is in Stand-by mode when it turns off while the power cord is connected.
9) Do not place anything directly on top of the DVD/VCR. Do not place the DVD/VCR directly on top of the TV.

DECLARATION OF CONFORMITY

This product complies with the requirement of the directives

EMC-Directive:	89 / 336 / EEC
Low Voltage Directive:	73 / 23 / EEC
CE Marking:	93 / 68 / EEC

declare that the DVD/VCR player with video cassette recorder

    DV-PF3E

are in compliance with following norms:

EN 55013: 2001, EN55020: 2002,
EN61000-3-2: 2000,
EN61000-3-3: 1995 + A1: 2001
EN60065: 1998
EN60825-1: 1994

A NOTE ABOUT RECYCLING

This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with your local recycling regulations.

Batteries should never be thrown away or incinerated but disposed of in accordance with your local regulations concerning chemical wastes.

The serial number of this product may be found on the back of the DVD/VCR. No others have the same serial number as yours. You should record the number and other vital information here and retain this book as a permanent record of your purchase to aid identification in case of theft. Serial numbers are not kept on file.
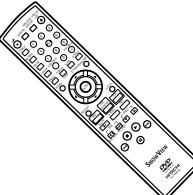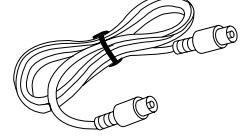
Date of Purchase	
Dealer Purchase from	
Dealer Address	
Dealer Phone No.	
Model No.	
Serial No.	

ABOUT COPYRIGHT

Unauthorized copying, broadcasting, public performance and lending of discs are prohibited.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

SUPPLIED ACCESSORIES

Remote control	Two AA batteries	Aerial Cable
DV-RMPF3E (TS18353)		75 ohm (TE15231)

SYMBOLS USED IN THIS MANUAL

The following symbols below appear in some headings and notes in this manual, with the following meanings!

VCR
 : Description refers to playback of video cassette tapes.

DVD
 : Description refers to playback of DVD video discs.

CD
 : Description refers to playback of audio CDs.

MP3
 : Description refers to playback of MP3 discs.

QUICK
 : Description refers to the items to be set in the QUICK mode.

TABLE OF CONTENTS

English

FEATURES

DVD Mode

- **Dolby Digital sound**
  This DVD/VCR can handle Dolby Digital surround sound with 5.1 channels when connected to a Dolby Digital decoder.
- **Still/fast/slow/step playback**
- **Random playback for audio CD and MP3**
- **Programme playback for audio CD and MP3**
- **DVD menus in a desired language**
- **Screen saver/Auto power-off functions**
  The screen saver programme starts when there is no input from the DVD/VCR for five minutes in the stop mode. When the screen saver programme is activated for 30 minutes, the power is automatically turned off.
- **Subtitles in a desired language**
- **Selecting a camera angle**
- **Choices for audio language and sound mode**
- **Parental lock**
- **Automatic detection of discs**
  This DVD/VCR automatically detects if the loaded disc is DVD, audio CD or MP3 on disc.
- **Playing an MP3 disc**
- **Direct Search**
- **On screen display**
  Information about the current operation can be displayed on the TV screen, allowing you to confirm the currently active functions (such as programme playback), on the TV screen using the remote control.
- **DTS (Digital Theater System)**
  You can enjoy 5.1channel surround system developed by the Digital Theater System co. which reproduces the original sound as truthfully as possible.
- **Search**
  Chapter search / Title search / Track search / Time search
- **Repeat**
  Chapter / Title / Track / Group / All / A-B
- **Zoom**
- **Marker**
  The part designated by user can be called back.

- **Disc Navigation**
  Displays the first scenes of each chapter in a title.
- **Resume Play**
- **Virtual Surround**
- **Bit rate indication**
- **DRC (Dynamic range control)**
  You can control the range of sound volume.
- **MPEG sound**
  This player can handle a disc that supports MPEG audio and is connected to a MPEG decoder.

VCR Mode

Hardware specifications
- **AUDIO OUTPUT L/R jacks**
- **Auto Head Cleaner**
- **4 Head HiFi Stereo**
- **On screen Display**
- **PLL Synthesiser Tuner with 99 channels presettable**

Automatic functions
- **Auto power on system**
  Automatically turns the VCR on when you insert the cassette.
- **Digital Auto Tracking (DTR)**

Playback
- **Auto Repeat**
- **2 Step Picture Search Operation**
- **Index Search**
- **Time Search**
- **Quick-Find**
- **NTSC Playback**

Recording
- **1 Year, 8 events (including Daily and Weekly Timer Recording)**
- **OTR (One Touch Recording)**
- **VPS (Video Programme System)/**
  PDC (Programme Delivery Control)

English

PLAYABLE DISCS

The following discs can be played back on this DVD/VCR.

- **DVD video**
- **DVD-R***
- **Audio CD**
- **CD-R/RW***
- **MP3***

* Depending on the types or the writing method of the medium some discs can not be played.

- Some DVD-R, or CD-R/RW discs made on personal computers, or on DVD recorders may not be played back properly due to factors such as scratches, dirt or special properties of the disc.
- Discs made on personal computers may not be played back properly due to different environments or the settings of the application you use. We recommend always to use the standardized, properly formatted discs. (Please contact the sales agency for more detail).
- This player conforms to PAL / NTSC color systems. You cannot play discs recorded in other color systems such as SECAM.
- Some discs include region codes as shown below.

- The number inside the symbol refers to a region of the world, and a disc encoded in a specific region format can only be played back on DVD/VCR with the same region code.

The following discs cannot be played back on this DVD/VCR.

- **DVD with region codes other than 2 or ALL.**
- **DVD-ROM**
- **DVD-RAM**
- **CD-ROM**
- **VSD**
- **CDV (Only plays back the audio part.)**
- **CD-G (Only plays back the sound.)**
- **CD-I**
- **SACD**
- **Photo CD**
- **Video CD**

Any other discs without compatibility indications.

DISC TYPES

[DVD]

Data on a DVD is divided into sections called "titles", and then into subsections called "chapters", each of which is given a title or chapter number. Playback conditions are preset on some DVD video discs, and these playback conditions take priority over user operations on this DVD/VCR. If a function you selected does not run as desired, refer to the manual accompanying the disc.
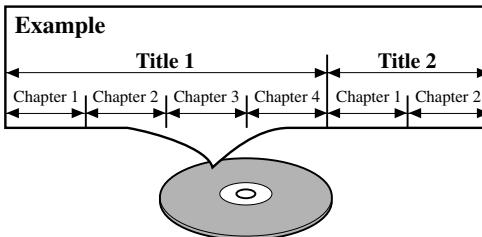
[AUDIO CD]

Data on an audio CD is divided into sections called "tracks", each of which is given a track number.
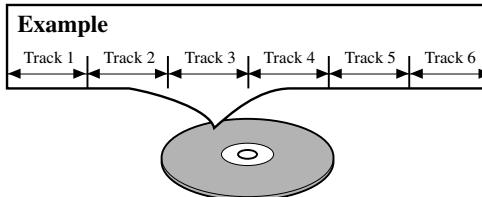
[MP3]

Data on an MP3 is divided into sections called "groups", and then into subsections called "tracks", each of which is given a group or track number.
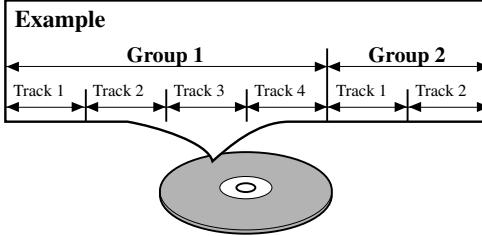
OPERATING CONTROLS AND FUNCTIONS
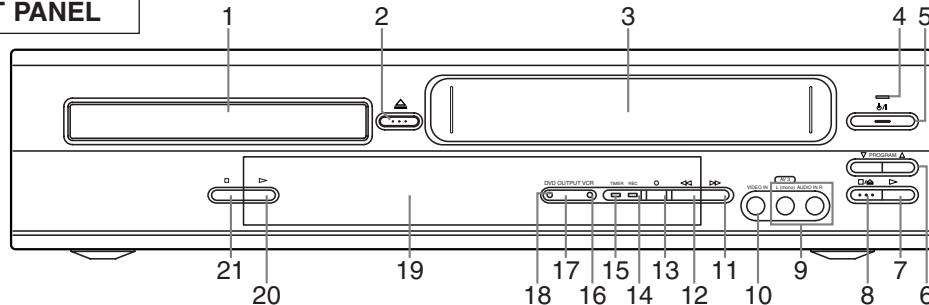
REMOTE CONTROL
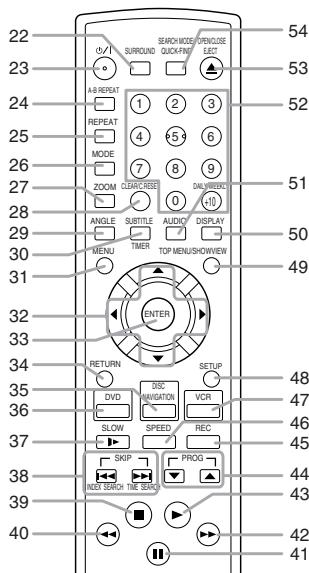
1. **Disc loading tray**
2. **OPEN/CLOSE Button(DVD) [page 29]**
   Press to insert discs into or remove them from the tray.
3. **CASSETTE COMPARTMENT**
4. **POWER Light**
   Lights up when the power is on.
5. **POWER/STANDBY Button [page 17]**
   Press to turn the power on and off.
   (As to the indication of the Operate switch, " Ι " indi-
   cates ON and " $\circlearrowleft$ " indicates electrical power STAND-
   BY.)
6. **PROGRAM (▲/▼) Buttons [page 14]**
   In VCR mode, press to change TV programmes on the
   VCR; press to adjust the tracking during normal or slow
   motion playback; press to remove vertical jitter in a
   Still picture.
7. **PLAY Button(VCR) [page 17]**
   Press to begin playback.
8. **STOP/EJECT Button (VCR) [page 25]**
   EJECT Button
      Press to remove the tape from the VCR.
   STOP Button
      Press to stop the tape motion.
9. **AUDIO In Jacks**
   Connect audio cables coming from the audio out jacks
   of a camcorder, another VCR, or an audio source here.
10. **VIDEO In Jack**
   Connect a video cable coming from the video out jack
   of a camcorder, another VCR, or a video source (laser
   disc player, camcorder, etc.) here.

11. **F.FWD Button (VCR) [page 22]**
   Press to rapidly advance the tape, or view the picture
   rapidly in forward during playback. (Forward Search).
12. **REW Button (VCR) [page 22]**
   Press to rewind the tape, or to view the picture rapidly
   in reverse during the playback mode (Rewind Search).
13. **REC Button (VCR) [page 23]**
   Press once to start a recording. Press repeatedly to start
   a One Touch Recording.
14. **REC Light [page 23]**
   Lights up during recording.
15. **TIMER Light [page 24]**
   This light glows when the DVD/VCR is in standby
   mode for a timer recording or during a One Touch
   Recording. It flashes if TIMER is pressed for a timer
   recording, but there is no tape in the DVD/VCR. It
   flashes when all timer recordings or One Touch
   Recording are finished.
16. **VCR OUTPUT Light (Green) [page 12]**
   This light appears when the VCR output mode is select-
   ed. You can only watch tapes when the green VCR
   OUTPUT light is on. To make the green VCR OUT-
   PUT light come on, VCR on the remote control or
   OUTPUT on the front panel.
17. **OUTPUT Button [page 12]**
   Press to select DVD mode or VCR mode.
   ● You can switch the output mode either by pressing
      OUTPUT on the front panel, or by pressing DVD or
      VCR on the remote control. However, **if you press
      OUTPUT on the front panel first, you need to re-
      select the corresponding mode by pressing DVD
      or VCR on the remote control.**
18. **DVD OUTPUT Light (Green) [page 12]**
   This light appears when the DVD output mode is
   selected. You can only watch DVDs when the green
   DVD OUTPUT Light is on. To make the green DVD
   OUTPUT light come on, press DVD on the remote con-
   trol or OUTPUT on the front panel.
19. **Display, Remote Sensor Window**
20. **PLAY Button (DVD) [page 29]**
   Press to begin playback.
21. **STOP Button (DVD) [page 29]**
   Stops operation of the disc.
22. **SURROUND Button [page 36]**
   Press to activate the virtual surround.
23. **$\circlearrowleft$/Ι(POWER/STANDBY) Button**
   Press to turn the power on and off.
   (As to the indication of the Operate switch, " Ι " shows
   ON and " $\circlearrowleft$/Ι" shows electrical power stand-by.)
24. **A-B REPEAT Button [page 32]**
   Repeats playback of a selected section.
25. **REPEAT Button [page 32]**
   Repeats playback of the current disc, title, chapter or
   track.
26. **MODE Button [page 33]**
   Activates programme playback or random playback
   mode when playing CDs or MP3. Sets virtual surround.

27. ZOOM Button [page 31]
Enlarges part of a DVD-reproduced image.
28. CLEAR/C.RESET Button
● **DVD mode [page 31]**
  Press to reset the setting.
● **VCR mode [page 20]**
  Press to reset the counter.
29. ANGLE Button [page 35]
Press to change the camera angle to see the sequence being played back from a different angle.
30. SUBTITLE Button [page 34]
Press to select the desired subtitle language.
  TIMER Button [page 24]
Press to put the VCR into standby mode for a timer recording.
31. MENU Button
● **DVD mode [page 30]**
  Press to display the menu of the Disc.
● **VCR mode [page 17]**
  Press to access the VCR menu.
32. Arrow Buttons
● **DVD mode**
  ▼ / ▲ / ► / ◄ Buttons
Move the cursor and determines its position.
● **VCR mode**
  ▼ / ▲ Buttons
Press to enter digits when setting programme (For example: setting clock or timer programme). Press to select the setting modes from the on screen menu.
  ► Button
When setting programme (For example: setting clock or timer programme), press to determine your selection and proceed to the next step you want to input. Press to determine the setting modes from the on screen menu.
  ◄ Button
Press to cancel a setting of timer programme. Press to correct digits when setting programme (For example: setting clock or timer programme).
33. ENTER Button (DVD) [page 30]
Press to accept a setting.
34. RETURN Button (DVD) [page 32]
Returns to the previous operation.
35. DISC NAVIGATION Button [page 29]
Press to display the first scenes of each chapter of the title being played.
36. DVD Button [page 12]
Press to select DVD mode for the remote control.
● You can switch the OUTPUT mode either by pressing OUTPUT on the front panel, or by pressing DVD or VCR on the remote control. However, **if you press OUTPUT on the front panel first, you need to re-select the corresponding mode by pressing DVD or VCR on the remote control.**
37. SLOW Button [page 21]
During tape playback, press to view the video tape in slow motion. Press again to resume normal playback. This button does not affect DVD playback.
38. SKIP (I◄◄ ►►I)Buttons
● **DVD mode [page 29]**
  Press to skip Chapters or Tracks.
● **INDEX SEARCH Button (VCR) [page 22]**
  Press to perform Index Search.
● **TIME SEARCH Button (VCR) [page 22]**
  Press to perform Time Search.
39. STOP (■) Button
● **DVD mode [page 29]**
  Press to stop the disc motion.
● **VCR mode [page 21]**
  Press to stop the tape motion.
40. ◄◄ Button
● **DVD mode [page 30]**
  Press to view the DVD picture in fast reverse motion or to reverse playback of an Audio CD.

● **VCR mode [page 22]**
  Press to rewind the tape, or to view the picture rapidly in reverse during the playback mode (Rewind Search).
41. PAUSE/STEP (II) Button
● **DVD mode [page 30]**
  Press to pause Disc playback. Press repeatedly to advance the DVD picture step by step (or one frame at a time).
● **VCR mode [page 21]**
  While recording, press to temporarily stop the recording (pause). Press a second time to resume normal recording. You can not pause a One Touch Recording. Or, press during tape playback to freeze the picture. Press to advance the picture one frame at a time during still mode.
42. ►► Button
● **DVD mode [page 30]**
  Press to fast forward the Disc. Press PAUSE/STEP, then press this button to begin slow motion playback. Press this button repeatedly to change the forward speed of slow motion.
● **VCR mode [page 22]**
  Press to rapidly advance the tape, or view the picture rapidly in forward during playback (Forward Search).
43. PLAY (►) Button
● **DVD mode [page 29]**
  Press to begin playback.
● **VCR mode [page 21]**
  Press to begin playback.
44. PROG (▲/▼) Button [page 14, 21]
Press to change TV channels on the DVD/VCR.
Press to adjust the tracking during normal or slow motion playback; press to remove vertical jitter in a still picture.
45. REC Button (VCR) [page 23]
Press once to start a recording.
46. SPEED Button [page 23]
Press to select the VCR's recording speed (SP or LP)
47. VCR Button [page 12]
Press to select VCR mode for the remote control.
● You can switch the OUTPUT mode either by pressing OUTPUT on the front panel, or by pressing DVD or VCR on the remote control. However, **if you press OUTPUT on the front panel first, you need to re-select the corresponding mode by pressing DVD or VCR on the remote control.**
48. SETUP Button [page 36]
Press to enter the setup mode.
49. TOP MENU Button (DVD) [page 30]
Press to bring up the Top Menu on a disc.
  SHOWVIEW Button (VCR) [page 26]
Press to programme timer recording with the SHOWVIEW system.
50. DISPLAY Button
● **DVD mode [page 35]**
  Press to access or remove the display screen during DVD or Audio CD playback.
● **VCR mode [page 28]**
  Press to access or remove the VCR's On screen status display.
51. AUDIO Button
● **DVD mode [page 34]**
  Press to select a desired audio language or sound mode.
● **VCR mode [page 16]**
  Press to select a desired sound mode.
52. Number Buttons
● **DVD mode [page 31]**
  Press to directly select a Track (Audio CD) for playback.

+10 Button:
When searching a TITLE, a CHAPTER, or a TRACK, use this button to enter numbers 10 and above. For example when entering '15', press this button first ,then '5'.
● **VCR mode [page 19]**
Press to select TV channels on the VCR.
To select channels, enter channel numbers as a two-digit number for the quickest results. For example, to select channel 6, press 0 then 6.
DAILY/WEEKLY/Button [page 26]:
Press to select once, daily, everyday, or weekly when you programme the automatic timer recording using the SHOWVIEW system.

53. **OPEN/CLOSE Button (DVD) [page 29]**
Press to open or close the disc loading tray.
EJECT Button (VCR)
Press to eject the video cassette from the VCR.
54. **SEARCH MODE/QUICK-FIND Button**
● **DVD mode [page 31]**
Press to access or remove the Search display, which allows you to go directly to a specific Title/Chapter/Track/Time.
● **VCR mode [page 22]**
Press to use Quick-Find mode.

Caution: Do not touch the inner pins of the jacks on the rear panel. Electrostatic discharge may cause permanent damage to the DVD/VCR.

Notes
● To use the remote control to operate the DVD and its features, press DVD on the remote control before pressing other DVD. Verify that the green DVD OUTPUT Light is on.
● To use the remote control to operate the VCR and its features, press VCR on the remote control before pressing other VCR. Verify that the green VCR OUTPUT Light is on.

Tour of the Remote Control
Buttons on remote control work in different ways for DVD, CD and VCR :
Refer to the following table for correct use.

	DVD	CD	VCR
POWER/STANDBY Button ⏻/I	● Turns the DVD/VCR on and off.	● Turns the player on and off.	● Turns the DVD/VCR on and off.
A-B REPEAT Button A-B REPEAT	● Marks a segment to repeat between A and B.	● Marks a segment to repeat between A and B.	───
REPEAT Button REPEAT	● Allows you to repeat play a Chapter or Title.	● Allows you to repeat play a Track or Disc.	───
MODE Button MODE	● To set surround on/off.	● Allows you to program a specific order or random playback. ● To set surround on/off.	───
ZOOM Button ZOOM	● To magnify part of picture (x2/x4)	───	───
ANGLE Button ANGLE	● Accesses various camera angles on a disc.	───	───
SUBTITLE/TIMER Button SUBTITLE TIMER	● Accesses various subtitles on a disc.	───	● Press to put the VCR into standby mode for a timer recording.
AUDIO Button AUDIO	● Accesses various audio functions on a disc.	● To select STEREO, L-CH or R-CH.	● To select STEREO, L-CH R-CH, or normal.
DISPLAY Button DISPLAY	● Displays the current disc mode.	● Displays the current disc mode.	● Displays the current time, tape counter, channel.
SURROUND Button SURROUND	● To activate the virtual surround.	● To activate the virtual surround.	───
SEARCH MODE /QUICK-FIND Button SEARCH MODE QUICK-FIND	● To search chapter or time. ● To rapidly return to a location of disc. ● Search the markers.	● To search track or time. ● To rapidly return to a location of disc. ● Search the markers.	● To search and confirm the contents of the recorded programme(s).
OPEN/CLOSE/EJECT Button OPEN/CLOSE EJECT ⏏	● To open or close the disc tray.	● To open or close the disc tray.	● Press to eject the video cassette from the VCR.
NUMBER Buttons ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪ +10 DAILY/WEEKLY	● To select chapter directly.	● To select track directly, use display function.	● To select channel. DAILY / WEEKLY button ● Use when you record using SHOW VIEW system.

Tour of the Remote Control

高

	DVD	CD	VCR
CLEAR/C.RESET Button CLEAR/C. RESET	• Clear the makers. • Clear the number that is entered incorrectly.	• Clear the makers. • Removes status No. in program input. • Clear the number that is entered incorrectly.	• To reset the tape counter.
MENU Button MENU	• Brings up the Menu on a disc.	——	• Brings up the VCR Menu.
TOP MENU / SHOWVIEW Button TOP MENU/SHOWVIEW	• Brings up the Top Menu on a disc.	——	• To programme timer recording with the SHOWVIEW system.
RETURN Button RETURN	• Returns to a previous menu.	——	——
ENTER/Arrow Button (UP/DOWN or LEFT/RIGHT Button)	• Moves the cursor and determines its position.	• Moves the cursor and determines its position.	• Moves the cursor and determines its position. • Cannot use the ENTER button.
SETUP Button SETUP	• Brings up the DVD player's Setup menu.	• Brings up the DVD player's Setup menu.	——
SKIP Buttons (DVD) INDEX SEARCH / TIME SEARCH Buttons (VCR) SKIP INDEX SEARCH TIME SEARCH	• To skip Chapters.	• To skip Tracks.	• To perform INDEX or TIME SEARCH.
SEARCH Buttons	• Allows you to search forward/backward through a disc (×2. ×8. ×50. ×100) .	• Allows you to search forward/backward through a disc (×16) .	• Allows you to forward/backward through a tape.
STOP Button	• To stop playback.	• To stop playback.	• To stop playback or record.
PLAY Button	• Begin disc play.	• Begin disc play.	• Begin tape play.
PAUSE/STEP Button	• Pause disc play. • Advances playback one frame at a time.	• Pause disc play.	• Pause tape play or record. • Advances playback one frame at a time.
PROGRAM Buttons PROG	——	——	• Press to exclusively control the TV programmes.
DVD Button DVD	• To select the DVD output mode. • To use the remote contorol in DVD mode.	——	——
DISC NAVIGATION Button DISC NAVIGATION	• The first scenes of each chapter of the title being played will be displayed.	——	——
VCR Button VCR	——	——	• To select the VCR output mode. • To use the remote contorol in VCR mode.
SLOW Button SLOW	——	——	• To view the tape in slow motion.
SPEED Button SPEED	——	——	• To select the recoeding speed.
REC Button REC	——	——	• To start a recording.

高

English

高

DISPLAY

DVD

Stays on when the A-B repeat function is on.

Stays on when the repeat function is on.

Stays on when repeat title function is on.

Stays on when repeat track function is on.

Stays on when repeat chapter function is on.

Lights up when a DVD is inserted into the tray.

```
REPEAT        TITLE    CHP. TRK. [DVD]
A-B    ▶ ❚❚  0:0.0:00           CD
```

Lights up when the inserted disc comes to a pause.

Stays on when the inserted disc is being played back.

Displays how long a current title or track has been played back. When a chapter or track has switched, the number of the new title, chapter or track is displayed.

Lights up when a CD is inserted into the tray.

VCR

Stays on during playback when the repeat function is on.

```
REPEAT
       ▶ ❚❚  0:0.0:00
```

Lights up when the playback is in a still or in a slow mode.

Stays on when the inserted cassette is being played back.

Works as a tape counter(hour,minute only). Also displays a channel number, tape speed remaining time for OTR and current time.

DISPLAYS DURING OPERATION

`0:0.0:00`	No disc inserted / can not read
`OPEN`	Tray open
`CLOSE`	Tray closed
`LoAd`	Loading the Disc
▶ `0:00:00` [DVD]	When a disc is being Play back

LOADING THE BATTERIES

1. Open the battery compartment cover.

2. Insert two AA batteries, with each one oriented correctly.
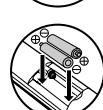
3. Close the cover.

Notes
● Do not mix alkaline and manganese batteries.
● Do not mix old and new batteries.

VCR/DVD SWITCHING

Since this product comprises VCR and DVD players, it is necessary to select the correct output mode.

SWITCHING TO VCR MODE

Press VCR on the remote control.
(Verify that the VCR OUTPUT Light is lit.)

SWITCHING TO DVD MODE

Press DVD on the remote control.
(Verify that the DVD OUTPUT Light is lit.)

Notes
● Pressing only OUTPUT on the front panel does not switch the mode of the remote control. You always need to select the correct mode on the remote control too.

DVD OUTPUT VCR

DVD button
VCR button
VCR OUTPUT Light
OUTPUT button
DVD OUTPUT Light

SHOWVIEW

DVD VIDEO
HITACHI
DV-PMF75E

– 12 –
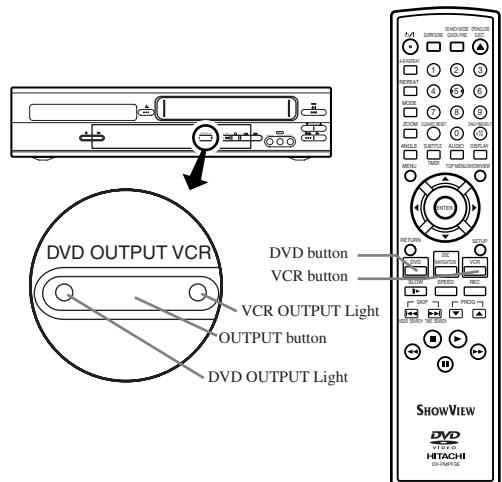
CONNECTIONS

REAR VIEW
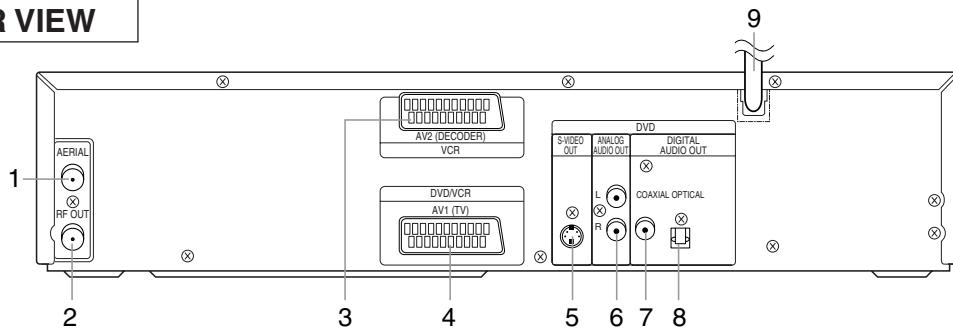
1. AERIAL Jack
Connect your antenna, Cable Box, or Direct Broadcast System.

2. RF OUT Jack
Use the supplied aerial cable to connect this jack to the ANTENNA IN Jack on your TV.

3. AV2 (DECODER) Socket
Connect 21-Pin scart cable here and to the 21-Pin scart jack of a decoder.

4. AV1 (TV) Socket
Connect 21-Pin scart cable here and to the 21-Pin scart jack of a TV.

5. S-VIDEO OUT Jack (DVD only)
Connect an optional S-Video cable here and to the S-Video In jack of a television.

6. ANALOG AUDIO OUT Jacks (DVD only)
Connect the supplied audio cables here and to the Audio In jacks of a television or other audio equipment.

7. DIGITAL COAXIAL AUDIO OUT Jack (DVD only)
Connect an optional coaxial digital audio cable here and to the Coaxial Digital Audio In jack of a decoder or audio receiver.

8. DIGITAL OPTICAL AUDIO OUT Jack (DVD only)
Connect an optional optical digital audio cable here and to the Optical Digital Audio In jack of a decoder or audio receiver.

9. AC POWER CORD
Connect to a standard AC outlet to supply power to the DVD/VCR.

The following show examples of connections commonly used to connect the DVD/VCR to TV and other components.

Notes

● Be sure to turn off the power to all components in the system before connecting another component.

● Refer to the Instruction Manuals for your TV, stereo system and any other components to be connected to the DVD/VCR.

DVD/VCR TO TV CONNECTION

1. Disconnect the TV's power cord from the AC outlet.

2. Disconnect the VHF/UHF TV aerial cable from the TV.

3. Connect the VHF/UHF TV aerial cable cable to the DVD/VCR.

4. Connect the DVD/VCR to the TV using the coaxial cable.

5. Plug the Power cords of the DVD/VCR and TV into the AC outlets.
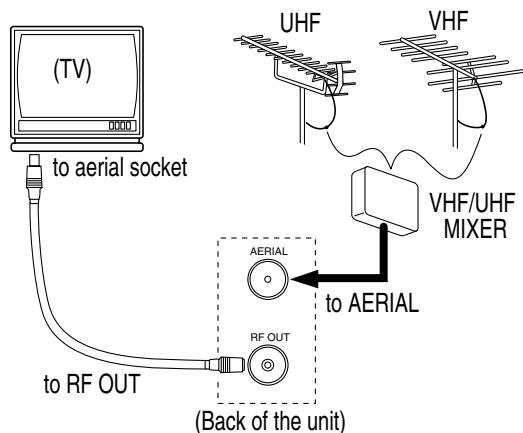
OTHER CONNECTIONS

EURO SCART (AV) SOCKETS

Your DVD/VCR is provided with two Scart sockets which you may connect to other external devices with Scart sockets. We recommend this connection to ensure a better audio and picture quality.
A2 or NICAM stereo sound is only achieved when using a SCART lead.
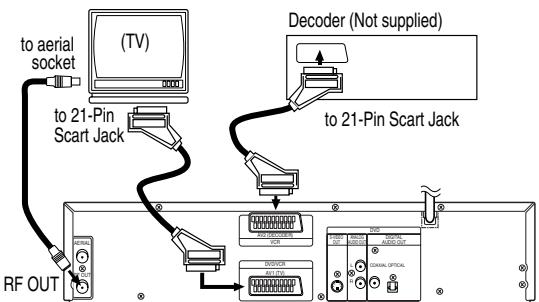
Euro Scart cables are obtainable at your dealer.

AV1 (TV) CONNECTION TO TV

If your TV has Scart sockets, you may connect your DVD/VCR's AV1 (TV) scart socket to the Scart socket on the back of your TV. Please see the instruction manual for your TV.

AV2 (DECODER) CONNECTION FOR OTHER EXTERNAL DEVICES

The second Scart socket AV2 (DECODER) is designated for other external devices, e.g. decoder, another VCR, video camera and so on.

NOTE:
• If you want to connect a TV with Scart socket to your DVD/VCR, the TV must be connected to the DVD/VCR through AV1 (TV). A connection to AV2 (DECODER) will not function correctly.

EXTERNAL INPUT MODE

To receive the signal from an external input (decoder, video camera, another VCR etc.), connect to the AV2 (DECODER) socket, and press PROG (▲/▼) or enter "002" with the Number Buttons to show "AV2" on the TV screen. ("L2" will appear on the DVD/VCR display panel.)
If you use the AV1 (TV) socket, press PROG (▲/▼) or enter "001" with the Number Buttons to appear "AV1" on the TV screen. ("L1" will appear on the DVD/VCR display panel.)
If you use the front AUDIO/VIDEO In Jacks, press PROG (▲/▼) or enter "003" with number button to show "AV3" on the TV screen. ("L3" will appear on the DVD/VCR display panel.)

CONNECTION TO AN AUDIO SYSTEM

Method 1

Method 2

AUDIO

Stereo system | Audio Input Jacks

Dolby Digital decoder, DTS decoder, or MPEG decoder | Digital Audio Input Jacks

R L

COAXIAL | OPTICAL

DVD/VCR

ANALOG AUDIO OUT

Analog Audio Out (DVD only)

L
R

or

DIGITAL AUDIO OUT

Digital Audio Out

COAXIAL OPTICAL
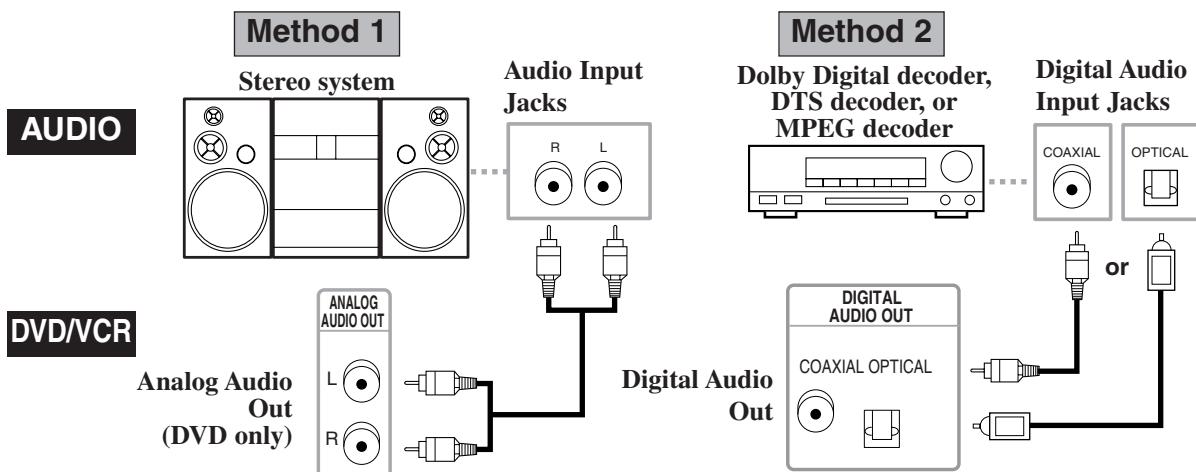
• **Method 1** DVD/VCR + Stereo system
• **Method 2** DVD/VCR + Dolby Digital decoder or DTS decoder

Notes
● If output Dolby Digital audio, connect to a Dolby Digital decoder, and set Dolby Digital to BITSTREAM for audio output in the setup mode. (See page 36)
● If output DTS audio, connect to a DTS decoder, and set DTS to BITSTREAM for audio output in the setup mode. (See page 36)
● If you want to enjoy DTS audio, use a DIGITAL AUDIO OUT jack for the connection. (DTS can only be out put through the DIGITAL AUDIO OUT jacks.)
● If output MPEG audio, connect to a MPEG decoder, and set MPEG to BITSTREAM for audio output in the setup mode. (See page 36)
● Unless connected to a Dolby Digital decoder, a DTS decoder, or a MPEG decoder, set Dolby Digital, DTS, or MPEG to PCM (or OFF) for audio output in the setup mode. Playing a DVD using incorrect settings may generate noise distortion, and may also damage the speakers. (See page 36)
● The audio source on a disc in a 5.1 channel Dolby Digital surround format cannot be recorded as digital sound by an MD or DAT deck.
● Set Dolby Digital, DTS, and MPEG to PCM (or OFF) for audio output in the setup mode for method 1 only. Playing a DVD using incorrect settings may generate noise distortion, and may also damage the speakers. (Refer to page 36 to set BITSTREAM for Dolby Digital, DTS, and MPEG.)

CONNECTION TO A TV (FOR DVD/VCR)

Method 1

Method 2

TV | **Basic Audio** | **Best picture** | **Good picture**

R L | S-VIDEO IN

DVD/VCR

AV Cable | S-Video Cable | 21 pin Scart jack

ANALOG AUDIO OUT

L
R

S-VIDEO OUT

or

AV1 (TV)

Euro audio/video Cable

Analog Audio out (DVD only) | **S-Video out (DVD only)** | **EURO Audio/Video out**
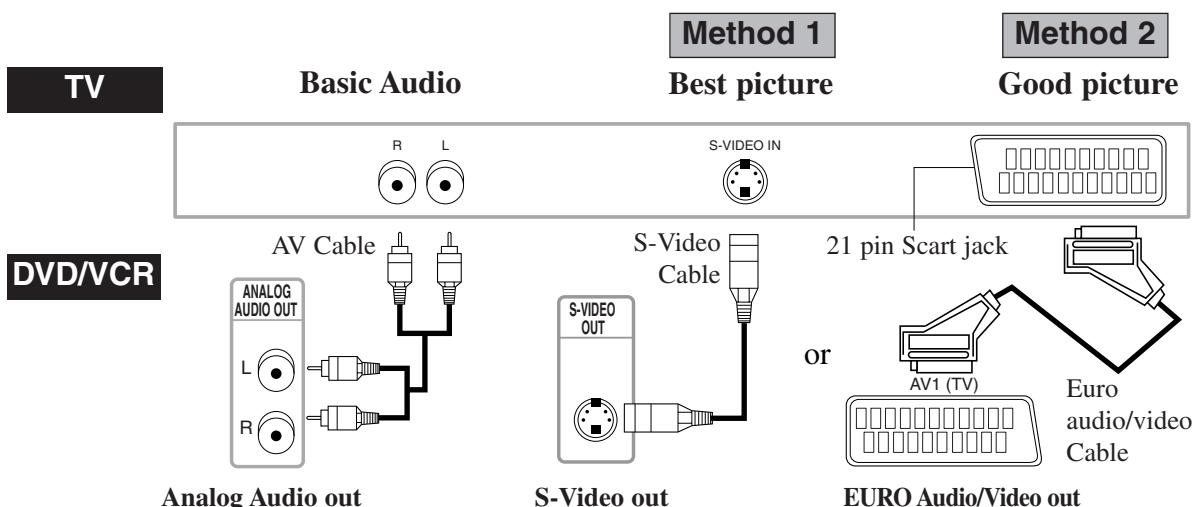
• **Method 1** DVD/VCR Player + TV with S-Video Input Jack
• **Method 2** DVD/VCR Player + TV with 21 pin scart Jack

– 15 –

Notes

● If you use the Euro audio/video cable, it is not necessary to connect the analog audio cable.
● Connect the DVD/VCR player directly to a TV. If the A/V cables are connected to a DVD/VCR, pictures may be distorted due to the copy protection system.

HOW TO CONNECT TO A TV WITHOUT AUDIO/VIDEO INPUT JACKS

If your TV does not have a Scart jack, it is still possible to connect this DVD/VCR player to your TV's 75-ohm coaxial antenna terminal using a commercially available Stereo Audio/Video RF Modulator, not included. Connect the audio and video outputs of the DVD/VCR player to the audio and video inputs on the RF Modulator, and then connect the coaxial output of the RF Modulator (usually marked "TO TV") to the 75 ohm coaxial antenna terminal on your TV. Follow the instruction supplied with the RF Modulator for more details.

If your TV's 75 ohm coaxial antenna terminal is already occupied by an antenna or cable box connection, remove that cable from your TV's antenna terminal and reconnect it to the coaxial antenna input terminal of the RF Modulator (usually marked "ANT IN"), then connect the RF modulator to your TV's antenna terminal as described above.

Note

● The picture quality from DVD discs will not be as good if the DVD/VCR player is connected to the TV's antenna terminal through an RF Modulator.

HI-FI STEREO SOUND SYSTEM

This DVD/VCR will record and playback Hi-Fi stereo sound. In addition it has a A2 or NICAM stereo sound decoder.
This equipment will receive stereo and bilingual broadcasts and there are several ways of recording and playing back the sound.

SELECTING THE SOUND MODE

VCR

You can select each mode by pressing AUDIO on the remote control. Each mode is indicated on the TV screen as following.

• *During playback of the recorded tape in Hi-Fi mode:*

Mode	AUDIO OUTPUT		Display on the TV screen
Stereo	L	Hi Fi L Audio	STEREO
	R	Hi Fi R Audio	
L	L	Hi Fi L Audio	LEFT
	R	Hi Fi L Audio	
R	L	Hi Fi R Audio	RIGHT
	R	Hi Fi R Audio	
Normal	L	Normal Audio	- None -
	R	Normal Audio	

• *Reception of stereo broadcasts:*

Mode	AUDIO OUTPUT		Display on the TV screen
Stereo	L	L Audio	STEREO
	R	R Audio	
L	L	L Audio	LEFT
	R	L Audio	
R	L	R Audio	RIGHT
	R	R Audio	
Monaural	L	L+R Audio	- None -
	R	L+R Audio	

• *During reception of bilingual broadcasts:*

Mode	AUDIO OUTPUT		Display on the TV screen
MAIN	L	Main Audio	MAIN
	R	Main Audio	
SUB	L	Sub Audio	SUB
	R	Sub Audio	
MAIN SUB	L	Main Audio	MAIN SUB
	R	Sub Audio	

Notes

● If you play non-Hi-Fi tapes, the DVD/VCR will play automatically in monaural even if you select any mode.
● If the stereo signal becomes weak, the broadcast is automatically recorded in monaural.

PRESET FOR USE

SELECTING THE LANGUAGE

VCR

Follow the steps on this page only when you plug the DVD/VCR for the first time.
  • Use the remote control for this procedure.

1 **Turn on the TV and select the video channel on the TV.**

2 **Press ⏻/| .**

3 **Press Arrow (▲/▼) repeatedly to select your desired language.**

```
LANGUAGE
►[ENGLISH      ]
  FRANÇAIS
  ESPAÑOL
  DEUTSCH
  ITALIANO
  SVENSKA
  NEDERLANDS
```

4 **Press MENU.**

CHANGING THE LANGUAGE

VCR

If you want to change the language used on the TV screen menus, follow the steps bellow.
  • Use the remote control for this procedure.

1 **Press MENU.**

2 **Press Arrow (▲/▼) to select "INITIAL", then press Arrow (►).**

3 **Press Arrow (▲/▼) to select "LANGUAGE", then press Arrow (►).**

4 **Press Arrow (▲/▼) repeatedly to select your desired language.**

5 **Press MENU.**

VIDEO CHANNEL SETTING

VCR

Skip This Section When Connected By SCART.
Video channel setting will be necessary, if your DVD/VCR is connected to the TV via the aerial cable.
  • Use the remote control for this procedure.

1 **Insert a pre-recorded tape into the DVD/VCR.**

  • The DVD/VCR will turn on and start playback automatically.
    If playback does not start, press PLAY (►).

2 **Select and adjust your TV to channel 36.**

  • If the playback picture appears on the TV screen, continue with step 8.
  • If channel 36 is employed for broadcasting, or interference lines appear on the picture, the RF converter must be set to a different channel between CH22 and CH69. Continue with step 3.

3 **Press MENU.**

4 **Press Arrow (▲/▼) repeatedly to select "INITIAL". Then, press Arrow (►).**

```
       MENU

     TIMER
     SET UP
   ► INITIAL
```
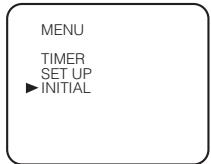
5 **Press Arrow (▲/▼) repeatedly to select to "RF OUT". Then, press Arrow (►).**

  • The RF OUT CH menu will appear.

```
    INITIAL

  CH TUNING
  CLOCK
 ►RF OUT            ► RF  OUT  CH  36
  LANGUAGE
  GUIDE CHANNEL
```
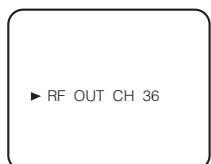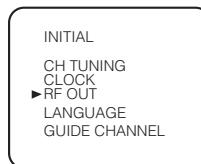
6 **Press Arrow (▲/▼) to select a channel which is not used for broadcasts between channel 22 and channel 69 in your area, then press Arrow (►).**

7 **Press MENU to exit.**

  • Set the TV channel to the RF OUT CHANNEL which was selected on the DVD/VCR. Then, press PLAY (►). A picture from the DVD/VCR will appear on the TV screen. If a picture does not appear, repeat steps 3 to 7 using a different channel which is not used for broadcasts.

8 **Press STOP (■) to stop the tape.**

Notes
  • You may also access the RF OUT CH menu by pressing and holding MENU on the remote control for 3 seconds during power off until the RF OUT CH menu appears.
  • If your DVD/VCR and TV are connected using a SCART cable there is no need to have the RF converter operating so it can be switched off and avoid the possibility of interference. To switch off the RF converter, follow the instructions for Video Channel Setting to step 6 then select channel 22 first and then press Arrow (▲/▼) so that "--" appears next to "RF OUT CH" on the TV screen and finally press MENU to finish.

SETTING THE CLOCK

VCR

This DVD/VCR incorporates a 24-hour clock. The clock must be set for the Automatic Timer Recording function to operate correctly.

Your DVD/VCR is fitted with PDC (See page27). If the PDC signal is available in your area, your DVD/VCR can get the current time from your local PDC broadcast. It keeps track of the time constantly referring to the time broadcasted by your PDC broadcast. If you want to use this feature, refer to "AUTO CLOCK SETTING" in the next section.

MANUAL CLOCK SETTING

1 Press MENU.

2 Press Arrow (▲/▼) to select "INITIAL", then press Arrow (▶).

```
MENU

 TIMER
 SET UP
▶INITIAL
```
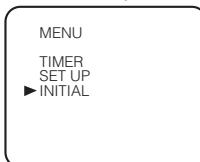
3 Press Arrow (▲/▼) to select "CLOCK", then press Arrow (▶).

```
INITIAL

 CH TUNING
▶CLOCK
 RF OUT
 LANGUAGE
 GUIDE CHANNEL
```

4 Press Arrow (▲/▼) to select "MANUAL", then press Arrow (▶).

5 Press Arrow (▲/▼) until the relevant year appears, then press Arrow (▶).

```
CLOCK

▶YEAR     2003
 MONTH    01
 DAY      01   WE
 HOUR     – –
 MINUTE   – –
```
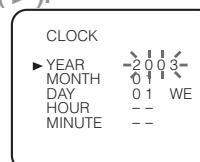
6 Likewise, set the relevant month, day, hour, and minute.

7 Press MENU to start the clock.

Notes

• In the steps 5 and 6, you can go back to the item you want to correct by pressing Arrow (◀).

• Although seconds are not displayed, they begin counting from 00 when you exit by pressing MENU. Use this feature to synchronise the clock with the correct time.

• When unplugging the power-cord or if there is a power failure for more than thirty minutes, you may have to reset the clock.

AUTO CLOCK SETTING

1 Follow the steps through 1 to 3 in "MANUAL CLOCK SETTING".

2 Press Arrow (▲/▼) to select "AUTO". Then, press Arrow (▶) to select [ON].

3 Turn off the DVD/VCR once by pressing ⏻／| (Standby/Power ON).

• The clock will appear on the TV screen when you turn on the DVD/VCR again.

Notes

• Channel Presetting must be set before the Auto Clock is set.

• The DVD/VCR refers to the channel which was memorised into position 01.
  The PDC channel must therefore be set to position 01.

• The clock cannot be set automatically if you are not receiving a channel that carries a time signal in your area. In this case, set the clock manually.

• Once the auto clock setting is performed, the DVD/VCR will correct the current time by receiving PDC broadcasts whenever you turn off the DVD/VCR.

• The DVD/VCR will correct the current time automatically at 8:00.

• Between 23:00~1:00, the AUTO CLOCK function does not work even if the DVD/VCR's power is turned off.

TUNING

Tuning of broadcast channels not already preset in the DVD/VCR can be performed in two ways.

AUTOMATIC TUNING

• By "AUTOMATICALLY" tuning channels and placing them in sequential order in the DVD/VCR's memory i.e. the first channel found will be memorised into the DVD/VCR's channel position 1, the second channel found will be memorised into the DVD/VCR's channel position 2 and so on.

• Execution of the "Automatic" tuning cancels all the preset channels. DO NOT use this feature if you intend to use some of the pre-tuned channels. Use the "Manual" tuning function to tune in the additional channels you require.

MANUAL TUNING

• Each channel is tuned manually and individually. Follow the steps laid out in the "MANUAL TUNING" section.

Before you preset Channel ...

• It is necessary to set the video channel if your DVD/VCR is connected to the TV via the aerial cable, and TV channel 36 is employed for broadcasting, or interference lines appear on the picture. Please refer to "Video Channel Setting".

AUTOMATIC TUNING

VCR

You can programme the tuner to scan only the channels that you can receive in your area.
• Use the remote control for this procedure.

1 Turn on the TV and select the TV channel to the video channel on the TV.

2 Press MENU.

3 Press Arrow (▲/▼) to select "INITIAL", then press Arrow (▶).
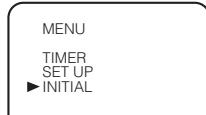
```
MENU

  TIMER
  SET UP
▶ INITIAL
```

4 Press Arrow (▲/▼) to select "CH TUNING", then press Arrow (▶).

```
INITIAL

▶ CH TUNING
  CLOCK
  RF OUT
  LANGUAGE
  GUIDE CHANNEL
```

5 Press Arrow (▲/▼) to select "AUTO", then press Arrow (▶).

```
CH TUNING

▶ AUTO
  MANUAL
  MOVE
```
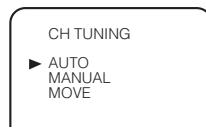
• The tuner scans and memorises all the active channels in your area. After scanning, the tuner stops on the lowest memorised channel.

To Select a Desired Channel

You can select a desired channel by using
the PROG (▲/▼), or directly pressing Number on
the remote control.

• Enter a channel numbers as a two-digit number for the quickest results. For example, to select channel 6, press 0 and 6. If you only press 6, channel 6 will be selected after a brief delay.
• You can only select channels 1–99.

MANUAL TUNING

VCR

• Use the remote control for this procedure.

1 Press MENU.

2 Press Arrow (▲/▼) to select "INITIAL", then press Arrow (▶).

```
MENU

  TIMER
  SET UP
▶ INITIAL
```

3 Press Arrow (▲/▼) to select "CH TUNING", then press Arrow (▶).

```
INITIAL

▶ CH TUNING
  CLOCK
  RF OUT
  LANGUAGE
  GUIDE CHANNEL
```

4 Press Arrow (▲/▼) to select "MANUAL", then press Arrow (▶).

```
CH TUNING

  AUTO
▶ MANUAL
  MOVE
```

5 Press Arrow (▲/▼) to select "POSITION", then press Arrow (▶).

```
MANUAL

▶ POSITION    -P08-
  CHANNEL      008
  DECODER     [OFF]
  SKIP        [OFF]
```
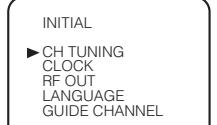
• When a weak signal is received in Manual Tuning mode, you can change the background to solid blue or the static screen by pressing CLEAR/C.RESET.

6 Press Number, or Arrow (▲/▼) to select your desired position number, then press Arrow (▶).

• You can select position number 01-99.
• If [ON] appears on the right side of "SKIP", press Arrow (▲/▼) to point to "SKIP". Then, press Arrow (▶) to select [OFF].
• If you want to remove scrambled signals, press Arrow (▲/▼) repeatedly to point to "DECODER". Then, press Arrow (▶) to select [ON].

7 Press Arrow (▲/▼) to select "CHANNEL", then press Arrow (▶).

8 Press Arrow (▲/▼) to start scanning.

• The DVD/VCR tuner will begin to search up or down automatically. When a channel is found, the DVD/VCR will stop searching and the picture will appear on the TV Screen.
• You can select desired channel number by using the Number Buttons. You must refer to the channel plan and press three digits to select the channel number. (To select channel 24, first press "0" and then press "2" and "4").
• If this is the channel you want, press Arrow (▶).

Channel Plan	
CH Indication	**TV Channel**
02 – 12	E2 – E12
13 – 20	A – H (only ITALY)
21 – 69	E21 – E69
74 – 78	X, Y, Z, Z+1, Z+2
80 – 99,100	S1 – S20,GAP
121 – 141	S21 – S41

This DVD/VCR can receive Hyper and Oscar frequency bands.

9 Press MENU to exit.

Note
To confirm that a channel has been added, press PROG (▲/▼).

TO SKIP A PRESET CHANNEL

VCR

The channels you can no longer receive or seldom watch can be set to be skipped when you access channels PROG (▲/▼).
• Use the remote control for this procedure.

1 Press MENU.

2 Press Arrow (▲/▼) to select "INITIAL", then press Arrow (▶).

```
        MENU

     TIMER
     SET UP
  ▶ INITIAL
```

3 Press Arrow (▲/▼) to select "CH TUNING", then press Arrow (▶).

```
        INITIAL

  ▶ CH TUNING
     CLOCK
     RF OUT
     LANGUAGE
     GUIDE CHANNEL
```

4 Press Arrow (▲/▼) to select "MANUAL", then press Arrow (▶).

```
        CH TUNING

     AUTO
  ▶ MANUAL
     MOVE
```
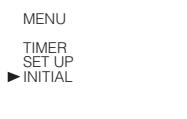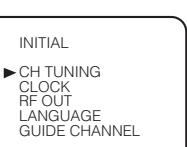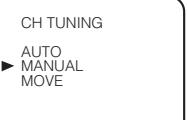
5 Press Arrow (▲/▼) to select "POSITION", then press Arrow (▶).

6 Press Number, or Arrow (▲/▼) to select relevant position number, then press Arrow (▶).

7 Press Arrow (▲/▼) to select "SKIP", then press Arrow (▶) to select [ON].

```
        MANUAL

     POSITION      P08
     CHANNEL       008
     DECODER      [OFF]
  ▶ SKIP          [ON]
```
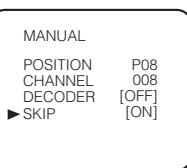
• To memorise the channel again, press Arrow (▶) "ON" will change to "OFF".

8 Press MENU to exit.

Note
To confirm that a channel has been deleted, press PROG (▲/▼).

CHANNEL ORDER

VCR

You can arrange the channels in any order you want as follows.
• Use the remote control for this procedure.

1 Press MENU.

2 Press Arrow (▲/▼) to select "INITIAL", then press Arrow (▶).

```
        MENU

     TIMER
     SET UP
  ▶ INITIAL
```

3 Press Arrow (▲/▼) to select "CH TUNING", then press Arrow (▶).

```
        INITIAL

  ▶ CH TUNING
     CLOCK
     RF OUT
     LANGUAGE
     GUIDE CHANNEL
```
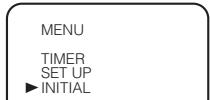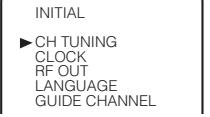
4 Press Arrow (▲/▼) repeatedly to select "MOVE", then press Arrow (▶).

```
        CH TUNING

     AUTO
     MANUAL
  ▶ MOVE
```
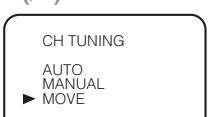
5 Press or Arrow (▲/▼) repeatedly to select the position number you want to change the channel, then press Arrow (▶).

```
        MOVE

     P01:  02      P06:  07
     P02:  03      P07:  08
  ▶ P03: [04]      P08:  09
     P04:  05      P09:  10
     P05:  06      P10:  11
```

Position Number   Channel Number
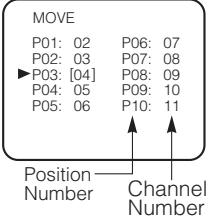
• You cannot select a position number where "- -" appears next to the number. This is because SKIP is set to [ON] for this position number.
• When a weak signal is received in Channel Order mode, you can change the background to static blue by pressing CLEAR/C.RESET. If you press the button again, the background will return to the static screen.

6 Press Arrow (▲/▼) repeatedly until the channel move to another position number, then press Arrow (▶).

```
        MOVE

     P01:  02       P06:  07
     P02:  03       P07:  08
     P03:  11       P08:  09
     P04:  05       P09:  10
     P05:  06    ▶ P10: [04]
```
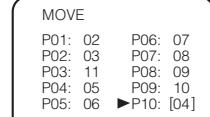
7 Press MENU to exit.

PLAYBACK FUNCTION

NORMAL PLAYBACK

VCR

1 **Insert a prerecorded tape. The DVD/VCR will turn on.**
● If the safety tab has been removed, the VCR will start playback automatically.

● If a cassette is in DVD/VCR, STOP symbol appears in TV screen when turning on the DVD/VCR(VCR mode).
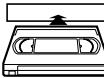
2 **Turn on the TV and select the video channel on the TV.**

3 **Begin playback by pressing PLAY (▶).**
● Tracking adjustment will be done automatically (Digital Tracking function) when you start playback. To adjust the tracking manually, press PROG (▲/▼) on the remote or PROGRAM (▲/▼) on the VCR.

● When a tape has reached the end, the VCR will rewind the tape to the beginning and eject the tape automatically.

4 **To stop playback, press STOP (■) .**
● If no corresponding symbols appear on the display when you press buttons such as PLAY, RECORD, ▶▶ or ◀◀, that means no cassette tape is in the VCR. Please insert a tape.

Counter Reset
● You can reset the counter by pressing CLEAR/C.RESET on the remote control.

STILL/SLOW
You can freeze the picture on TV screen by pressing PAUSE/STEP during playback.
● You can advance the picture one frame at a time by pressing PAUSE/STEP (❚❚) during the Still mode.
● When the picture begins to vibrate vertically, stabilize the picture by pressing PROG (▲/▼) in the STILL mode.
● You can watch in the slow motion by pressing SLOW during playback or the still mode. (The DVD/VCR mutes the sound during slow motion. You can control the speed by pressing ▶▶ or ◀◀.)
● If a noise bar appears on the TV screen, you can reduce it by pressing PROG (▲/▼).
● After the VCR has been in Still/Slow mode for 5 minutes, it will stop automatically to protect the tape and the video head from damage.
● To return to playback, press PLAY (▶).

AUTO REPEAT PLAYBACK

VCR

This feature allows you to play a tape over and over.

1 **Press MENU.**

2 **Press Arrow (▲/▼) to select "SET UP", then press Arrow (▶).**

3 **Press Arrow (▲/▼) to select "AUTO REPEAT", then press Arrow (▶).**

4 **Begin auto repeat playback by pressing Arrow (▶) so that ON appears next to "AUTO REPEAT".**
● When in Stop mode, Auto Repeat mode will start automatically.
● If the On screen menu still remains, press MENU to exit the menu.
● To cancel the Auto repeat mode, press Arrow (▶) at step [4] so that OFF appears next to "AUTO REPEAT".

PICTURE SELECT

VCR

This function enables you to select the picture quality of a tape.
● Use the remote control for this procedure.

1 **Press MENU.**

2 **Press Arrow (▲/▼) to select "SET UP", then press Arrow (▶).**

```
MENU

TIMER
▶ SET UP
INITIAL
```
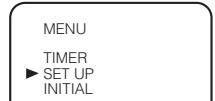
3 **Press Arrow (▲/▼) to select "PICTURE", then press Arrow (▶) .**

```
SET UP

AUTO RETURN
AUTO REPEAT    [ON]
▶ PICTURE  [NORMAL]
```
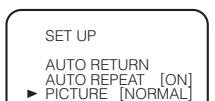
4 **Press Arrow (▶) until the desired mode (NORMAL, SOFT, or SHARP) is indicated on the TV screen.**

Note
Once you select the Picture Select mode, it stays in effect even after you turn off the DVD/VCR.

SEARCH FUNCTIONS

VCR

PICTURE SEARCH

If you want to skip or repeat a scene during playback, press ►► or ◄◄.
- Press it again and the VCR will now search at super high speed. (This function will not work for a NTSC tape).
- Press PLAY (►) to return to normal playback.

QUICK-FIND

This function enables you to search and confirm the contents of the recorded programme(s) using the index mark.
- Use the remote control for this procedure.
- The tape must be fully rewound.

1 Press QUICK-FIND to skip to the beginning of next programme

2 Press PLAY (►) to view at normal speed
The Quick-Find is cancelled.

Notes
- This function will not operate in the Recording mode.
- When you want to cancel the Quick-Find while in progress, press STOP (■).
- When the end of a tape is reached during the Quick-Find, the tape will automatically rewind to the beginning. After rewinding finishes, the DVD/VCR will eject the tape.

INDEX SEARCH

- The index mark will be made automatically when REC is pressed. It will also be marked at the starting point of Timer recording and OTR.
- The index mark is not recorded if the PAUSE/STEP (❙❙) is pressed and released during recording recording.
- The time gap between index marks on the tape should be greater than 1 minute for SP recording and 2 minutes for LP recording.
- Use the remote control for this procedure .

1 Press INDEX SEARCH so that the Index Search menu appears.

2 Enter the number of recordings you wish to skip by pressing Arrow (▲/▼) within 30 seconds.

INDEX 03

3 Press Arrow (◄ / ►) to start index search.
The DVD/VCR begins rewinding or fast forwarding to the beginning of desired progamme.
When the preset programme is reached,the DVD/VCR will start playback automatically.
- If you want to go in the forward direction, press Arrow (►). If you want to go in the reverse direction, press Arrow (◄).
- If you want to stop search function, press STOP (■).
- After index search, the VCR will play the tape auto-

Notes
- Index Search can be set up to 20.
- This function will not operate in the Recording mode.
- Operations must be followed up within 30 seconds, from step 2 to 3. Otherwise the Index Search mode will be cancelled.
- To exit the Index Search mode, press the MENU step 2.

TIME SEARCH

This feature allows you to go to a specific point on a tape by entering the exact amount of time you wish to skip in order to reach the point.
- Use the remote control for this procedure.

1 Press TIME SEARCH so that the Time Search menu appears.

2 Enter your desired time to skip by pressing Arrow (▲/▼) within 30 seconds.

TIME 2 : 50
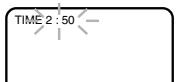
3 Press Arrow (◄ / ►) to start time search.
The DVD/VCR begins rewinding or fast forwarding to the specified point.
When 0:00 is reached, the DVD/VCR will start playback automatically.
- If you want to go in the forward direction, press Arrow (►).
- If you want to go in the reverse direction, press Arrow (◄).
- If you want to stop search function, press STOP (■).
- After time search, the VCR will play the tape automatically.

Notes
- Time search can be set up to 9 hours 59 minutes (9:59). When you press TIME SEARCH in step 2, it will increase the time by 15 minutes. In this case, Time Search can be set up to 9 hours 45 minutes (9:45).
- This function will not operate in the Recording mode.
- Operations must be followed up within 30 seconds, from step 2 to 3. Otherwise the Time Search mode will be cancelled.
- To exit the Time Search mode, press the MENU in step 2.

RECORDING FUNCTION

VCR

It may be UNLAWFUL to record copyrighted material without the consent of the copyright owner.
This DVD/VCR will operate with any cassette that bears the VHS mark. For best results, we recommend the use of high-quality tapes. Do not use poor quality or damaged tapes.

● You can prevent accidental erasing of a recording by breaking off the erase prevention tab on the back edge of the cassette.

Tab

● If you decide to record on the tape again, cover the hole with plastic tape.
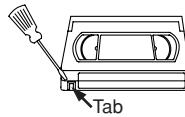
TWO DIFFERENT TAPE SPEEDS

Before recording, select the tape speed : SP mode (Standard Play) or LP mode (Long Play).
The table below shows the maximum recording/playback time using E-60, E-120, E-180 or E-240 tapes in each mode.

TYPE OF TAPE	RECORDING/PLAYBACK TIME	
TAPE SPEED	SP MODE	LP MODE
E-60	1 HOUR	2 HOURS
E-120	2 HOURS	4 HOURS
E-180	3 HOURS	6 HOURS
E-240	4 HOURS	8 HOURS

NORMAL RECORDING

VCR

1 **Insert a cassette tape with its erase prevention tab in place.**

(If necessary, rewind or fast forward the tape to the point at which you want to begin recording.)

2 **Press Number or PROG (▲/▼) to select the channel to be recorded.**

3 **Press SPEED to select the tape speed (SP/LP).**

4 **Press REC to begin recording.**

● The "REC" Light on the display comes on.
● To temporarily stop recording or to resume it, press PAUSE/STEP. After the VCR has been in Pause mode for 5 minutes, it will stop automatically to protect the tape and the video head from damage.

5 **Press STOP (■) when recording is completed.**
Note

● When you wish to watch another programme while recording, select desired channel on your TV.

OTR (One Touch Recording)

VCR

This feature allows you to set the recording length simply by pressing REC on the VCR.

● REC on the remote control is not available for this procedure.

1 **Press REC to begin OTR. The REC, TIMER Light comes on. Change the recording length by pressing REC repeatedly.**

0:30 → 1:00.... → 7:30 → 8:00
↑ Normal recording ←

● To check time remaining during an OTR, press DISPLAY.
● To change the recording length during an OTR, press REC until the desired length appears.
● To stop an OTR before recording is finished, press STOP (■).
● To cancel the OTR but continue recording, press REC repeatedly until "●" appears in the upper left corner of the TV screen.
● If a tape ends during OTR, the VCR will stop, eject the tape, and switch to the DVD mode automatically as the TIMER light blinks. (If the DVD power is off, the VCR will become STANDBY status).
● When OTR is finished , the VCR turns off automatically. To use the VCR again, press TIMER on the remote, or STOP/EJECT on the DVD/VCR.

TIMER RECORDING

VCR

You may programme the DVD/VCR to start and end a recording while you are away. You can set eight programmes to record on specific days, daily or weekly within a 1 year period.
• Use the remote control for this procedure.
• Insert a cassette tape with its erase prevention tab in place. (If necessary, rewind or fast forward the tape to the point at which you want to begin recording.)

1 **Press MENU.**

2 **Press Arrow (▲/▼) to select "TIMER", then press Arrow (▶).**

```
MENU

► TIMER
  SET UP
  INITIAL
```

Notes

If you have not set the clock yet, "CLOCK" setting menu appears. If so, follow the steps outlined in the "Setting the Clock" section. Then, set the timer.

- When you press Arrow (▶) after pressing Arrow (▲/▼) or during steps 3 to 10,the input mode will move to the next step.
- If you do not press Arrow (▶) within 5 seconds of setting an item, the input mode will move to the next step.
- Press Arrow (◀) to go back one step from the current setting during steps 4 to 10. If Arrow (◀) is pressed when the TIMER NUMBER is flashing, the entire programme contents will be erased.

3 **Programme number flashes. Press Arrow (▲/▼) repeatedly until the desired programme number appears. Then, press Arrow (▶).**

```
▶ TIMER NUMBER    1
  DATE            --/--
  START           --:--
  END             --:--
  CHANNEL         --
  SPEED           --
  VPS/PDC         --
```

4 **Select once, daily, everyday, or weekly recording.**

For once-only recording: Press Arrow (▲/▼) repeatedly until the relevant month appears.

For daily recording: To record a TV programme at the same time on the same channel from Monday through Friday. While the month digit is flashing, press Arrow (▲/▼) repeatedly to select "MO-FR".

For everyday recording: To record a TV programme at the same time on the same channel every day. While the month digit is flashing, press Arrow (▲/▼) repeatedly to select "MO-SU".

For weekly recording: To record a TV programme at the same time on the same channel every week. While the month digit is flashing, press Arrow (▲/▼) repeatedly to select "W-MO" (Example: every monday).

5 **For once-only recording only : Press Arrow (▲/▼) repeatedly until your desired day appears.**

6 **Press Arrow (▲/▼) repeatedly until the relevant start hour appears. Next, enter the minute digit.**

7 **Press Arrow (▲/▼) repeatedly until the relevant end hour appears. Next, enter the minute digit.**

8 **Press Arrow (▲/▼) repeatedly until the relevant channel number appears.**

9 **Press Arrow (▲/▼) repeatedly until your the desired tape speed appears.**

10 **Press Arrow (▲/▼) repeatedly to set VPS/PDC "ON" or "OFF".**

- The Video Programme System (VPS) / The Programme Delivery Control (PDC) is a very convenient system which assures that the TV programmes you have programmed for timer recording will be recorded exactly from beginning to end (see page 27).

11 **Press Arrow (▶).**

Programme 1 is now completed.

.

12 **Press MENU to exit.**

To set another timer programme, repeat steps 3 to 11.

13 **Press TIMER to activate the timer.**

- TIMER light comes on.
- As TIMER light comes on the DVD/VCR becomes STANDBY status, and switches to DVD mode automatically.
- When all timer recordings are finished, TIMER light will flash. To use the DVD/VCR again as usual, press TIMER to disable the flashing TIMER light, then Press DVD or the VCR to choose DVD or VCR mode, then continue with the other features as described in this manual.

HINTS FOR TIMER RECORDING

VCR

- If there is a power failure or the DVD/VCR is unplugged for more than 30 seconds, the clock setting and all timer settings will be lost.
- If a tape ends during TIMER RECORDING, the DVD/VCR will stop, eject the tape, and switch to the DVD mode automatically as the TIMER light blinks. (If the DVD power is off, the VCR will become STANDBY status).
- If a tape is not in the DVD/VCR or does not have a safety tab, the TIMER light flashes and timer recording will not operate. Please insert a recordable tape.
- When all timer recordings are finished, the TIMER light will flash. To use the DVD/VCR again as usual, press TIMER to disable the flashing TIMER light, then press VCR to select the VCR mode. Select either VCR or DVD mode, then continue with the other features as described in this manual.
- When timer recordings are set, the TIMER light will come on. To use the DVD/VCR as usual until the time for the recording, press TIMER so that TIMER light disappears. Press VCR to choose the VCR mode. Select either VCR or DVD mode, then continue with the other features as described in this manual.
- In timer standby mode, VCR feature does not function.
- To exit timer standby mode, press TIMER.
  The TIMER light disappears and you can operate the VCR.

If you want to use the DVD player during a VCR timer recording or while the TIMER light is on or flashes.

- You can use the DVD player while the TIMER light is on or flashes, or during a timer recording. Press ⏻/l to turn on the DVD player. ;Press DVD on the remote control to choose DVD mode, then continue with the other DVD features as described in this manual. You don't have to set the TIMER off to use the DVD only.

TO STOP AN AUTOMATIC TIMER PROGRAMME ALREADY STARTED
Press ■/⏏ on the DVD /VCR.

TO CHECK, CORRECT, OR CANCEL AN AUTOMATIC TIMER PROGRAMME

1 **Press TIMER.**
- If the VCR's power is off, press ⏻/l instead of TIMER, then go on to the next step.
- If the DVD output mode is selected, you have to switch it to the VCR mode by pressing the VCR on the remote control or the OUTPUT on the DVD/VCR.

2 **Repeat steps 2 to 3 in the " TIMER RECORDING" section.**

3 **Select the programme number you want to check by pressing Arrow (▲/▼) .**
- The details of the selected programme appears on the TV screen.
- Go to the digit you want to change by pressing Arrow (►/◄) . Then, enter correct numbers by pressing Arrow (▲ / ▼).
- You may cancel the entire programme by pressing Arrow (►/◄) while the programme number flashes.

4 **Press MENU to exit.**

5 **Press TIMER to return to timer stand-by mode.**

TO AVOID OVERLAP OF TIMER PRO-GRAMMES
A timer programme will not work whilst another programme is under execution.
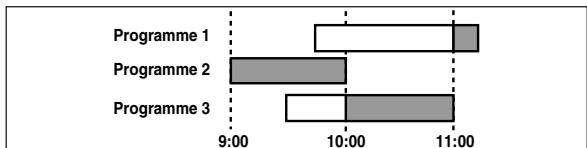
SHOWVIEW®
GUIDE CHANNEL SET

VCR

SETTING THE GUIDE CHANNELS FOR THE SHOWVIEW SYSTEM
First, make a table like below.
Then, referring to your local TV guide magazine or the TV listings of your local newspaper, fill in the each boxes with proper information.

- Write your local channel numbers in the "VCR Channel" column, corresponding TV-stations in the "TV-Station"column, and Guide channels in the "GUIDE Channel" column. Then continue with the other features as described in this manual.

GUIDE Channel	TV-Station (Germany)	VCR Channel

Now, compare the channel numbers you have written in the GUIDE Channel and VCR Channel columns. You must set all of these channel numbers that don't match using the following procedure before you programme the automatic timer recording using the ShowView system.

● This setting only needs to be set once, but must be done again if you use this DVD/VCR in another area by moving it.

1 **Press MENU.**

2 **Press Arrow (▲/▼) to select "INITIAL", then press Arrow (►).**

```
MENU

TIMER
SET UP
► INITIAL
```
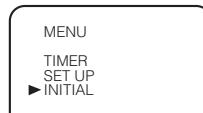
3 **Press Arrow (▲/▼) to select "GUIDE CHANNEL", then press Arrow (►).**

```
INITIAL

CH TUNING
CLOCK
RF OUT
LANGUAGE
► GUIDE CHANNEL
```
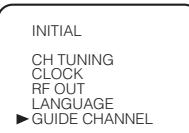
4 **Press Arrow (▲/▼) to select the relevant mode. Then press Arrow (►).**

```
GUIDE CH SELECTION

► [MANUAL]
AV1
AV2
AV3
```

• To set the guide channel individually, select "MANUAL". Then, press Arrow (►) and continue with step 5.
• To set all the guide channels to AV1, AV2, or AV3 select "AV1", "AV2", or "AV3". Then press MENU to exit.
• If you are recording from a Digital Satellite or Terrestrial Set Top Box the channel should be set to AV2 (or is connected to).
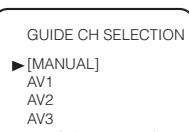
5 **Press Arrow (▲/▼) repeatedly to select the position number, then press Arrow (►).**

```
GUIDE CHANNEL

P96    :      99
P97    :
► P98  :    ¦ ¦
P99    :
AV1    :     ---
AV2    :     ---
```

Position Number   Guide Channel Number
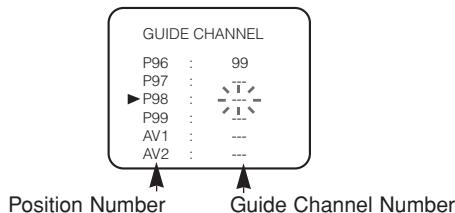
6 **Press Number, or Arrow (▲/▼) to enter guide channel number, then press Arrow (►).**

```
GUIDE CHANNEL

P96    :      99
P97    :
► P98  :    ¦ 80 ¦
P99    :     ---
AV1    :     ---
AV2    :     ---
```
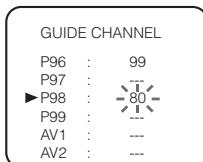
• Press Arrow (◄) to go back one digit from current digit.
• You can select guide channels 1-255.
• To select channels from 1-9, first press "0" twice, and then 1 to 9.
• To select channels from 10 to 99, first press "0" once, and then press the last two digits. (To select channel 80, first press "0" then press "8" and "0").
• To set another, repeat steps 5 to 6.

7 **Press MENU to exit.**

TIMER RECORDING USING THE SHOWVIEW® SYSTEM

VCR

You can programme the timer using the SHOWVIEW programming numbers that are printed in TV guide magazine. You can set eight programmes to record.
• Use the remote control for the this procedure.
• Insert a cassette tape with its erase prevention tab in place. (If necessary, rewind or fast forward the tape to the point at which you want to begin recording.)

1 **Press SHOWVIEW .**
If you have not set the clock yet, "CLOCK" setting menu appears.

```
SHOWVIEW system
SHOWVIEW No.
※---------
```

If so, follow the steps outlined in the "Setting the Clock" section. Then, set the timer.

2 **Press Number to set the SHOWVIEW number of the programme you want to record.**

```
SHOWVIEW system
SHOWVIEW No.
123456789
```

• Press Arrow (◄) to go back one digit from current digit while you set the SHOWVIEW number.

3 **Select once, daily, everyday, or weekly recording.**

For once-only recording:
Press SHOWVIEW.
For daily recording: To record a TV programme at the same time on the same channel from Monday through Friday. Press DAILY/WEEKLY repeatedly to select "DAILY (MO-FR)", then, press SHOWVIEW .
For everyday recording: To record a TV programme at the same time on the same channel every day. Press DAILY/WEEKLY repeatedly to select "DAILY (MO-SU)", then, press SHOWVIEW.
For weekly recording: To record a TV programme at the same time on the same channel every week. Press DAILY/WEEKLY repeatedly to select "WEEKLY", then, press SHOWVIEW.
Note
• If the SHOWVIEW number is not available, it will be cleared automatically when you press SHOWVIEW. Enter the correct SHOWVIEW number and press SHOWVIEW again.

• If the SHOWVIEW number flashes when you press SHOWVIEW, this means that the SHOWVIEW number you entered was incorrect or the timer recording you just programmed and another timer recording overlap.

4 **Confirm the channel number, then, press Arrow (▶).**

```
TIMER NUMBER    1
DATE         06/05 SA
START          19:30
END            20:30
►CHANNEL      – 16 –
 SPEED          SP
 VPS/PDC        OFF
```

• If your local channel information is programmed in DVD/VCR's memory, your local channel number appears automatically.
• If your local channel information is not programmed in DVD/VCR's memory, "– –" or an incorrect channel number may appear. In this case, press Arrow (▲/▼) repeatedly until your desired channel number appears. Then, press Arrow (◀).
• When you select the channel number using Arrow (▲/▼) it memorises in DVD/VCR's memory.

5 **Press Arrow (▲/▼) repeatedly until the desired tape speed appears.**

```
TIMER NUMBER    1
DATE         06/05 SA
START          19:30
END            20:30
 CHANNEL        16
►SPEED        – SP –
 VPS/PDC        OFF
```
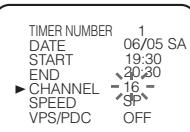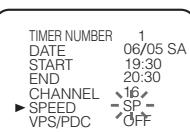
6 **Press Arrow (▲/▼) to choose "ON" or "OFF".**

• The Video Programme System (VPS) / The Programme Delivery Control (PDC) is a very convenient system which assures that the TV programmes you have programmed for timer recording will be recorded exactly from beginning to end (see page 27).

7 **Press MENU to exit.**

8 **Press TIMER to activate the timer.**
The TIMER light on the display comes on.

VPS (Video Programme System) / PDC (Programme Delivery Control)

VCR

The VPS/PDC system looks for the start signal several hours before published start time and for several hours afterwards. This means that if the programme is broadcast anytime during this period it will be recorded correctly. Please note that if you have set an incorrect Timer setting, it will stay in the memory until you cancel it (See page 25 for details on how to cancel a programme).

AUTO RETURN

VCR

When timer recording is finished, the DVD/VCR will automatically rewind the tape to the beginning where it started recording. If there are any remaining programmes including Daily, Everyday, & Weekly, AUTO RETURN will not operate.

1 **Press MENU.**

2 **Press Arrow (▲/▼) repeatedly to point to "SET UP", then press Arrow (▶).**

3 **Press Arrow (▲/▼) to point to "AUTO RETURN", then press Arrow (▶).**

• [AUTO] will appear next to "AUTO RETURN".

4 **Press MENU to exit.**

TO WATCH THE RECORDED TIMER PRO-GRAMME
Press TIMER to cancel the Timer Stand-by. Then, Select VCR mode by pressing VCR your remote. Press PLAY (▶).

COPYING A VIDEO TAPE

VCR

You can make copies of videotapes made by friends or relatives for your own enjoyment.

WARNING:

Unauthorized recordings of copyrighted video tapes may be an infringement of copyright laws.

Connect the recording VCR (this unit), playing VCR (another VCR) and your TV as outline in the following diagram.

1 Insert a pre-recorded video cassette into the playing VCR.

2 Insert a blank video cassette, or one you want to record over, into the cassette compartment of the recording DVD/VCR.

3 Press SPEED on the remote control to select the desired recording speed (SP/LP).

4 Select "AV2" or "AV3" position on the recording DVD/VCR.
See "OTHER CONNECTIONS" on page 14.

5 Press REC on the recording DVD/VCR.

6 Begin playback of the tape in the playback VCR.

7 To stop recording, press STOP (■) on the recording DVD/VCR, then stop playback of the tape in the playing VCR.

Using scart jacks

Playing VCR

(TV)

to 21-Pin
Scart Jack

Recording DVD/VCR
(this unit)

Using AV from terminals

Playing VCR

to the audio output jack

to the video output jack

Recording DVD/VCR (this unit)

to AV1 (TV)
Scart jack on
the back of the
DVD/VCR

to 21-Pin
Scart jack

(TV)
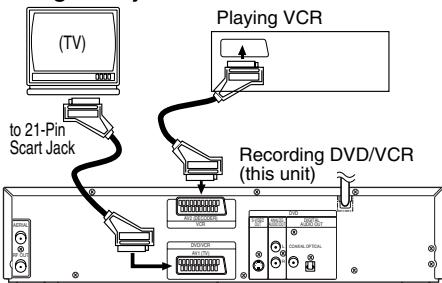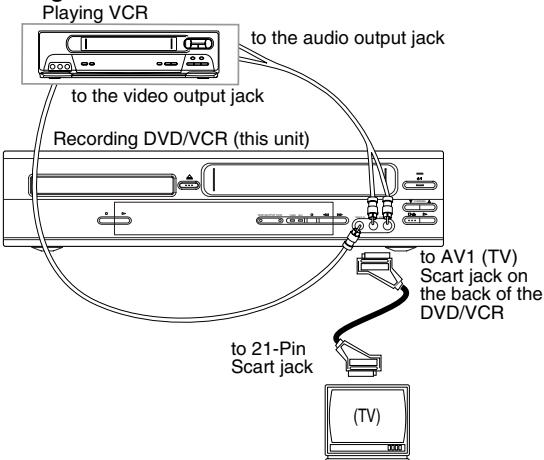
Notes
• For best results during dubbing, use the DVD/VCR's front panel controls whenever possible. The remote control might affect the playback DVD/VCR's operation.
• If video or colour fades in and out, you may be copying a copy guarded video tape.

TO MONITOR THE RECORDING

Turn on the TV and select the video channel on the TV.

A STATUS DISPLAY

VCR

To check the Counter, or Clock & Channel number, press DISPLAY. Each time you press the DISPLAY, TV screen will change as illustrated:

When you select the channel using the remote control number buttons, select the desired channel (position number).

<OFF mode>   **<COUNTER mode>**

SP

Press once.

0:12:34

Press once.

**<CLOCK and CHANNEL
NUMBER mode>**

SP   17:40
            P02

Press once.
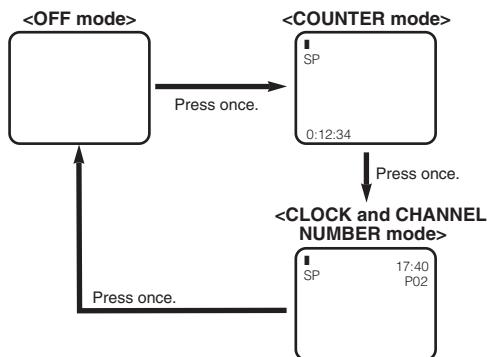
TV COLOUR SYSTEM

VCR

Different countries use different television colour systems. Tapes recorded in the PAL or NTSC system can be played back on this unit. Usually, the picture on the TV screen will be in black and white when you play back a tape that is recorded in a different colour system.

• Tapes recorded in the NTSC system can be played back on this unit and a PAL system TV set. This feature is only available in the SP mode. When playing back such tapes, the picture may roll up or down, shrink vertically and black bars may appear both at the top and bottom of the screen. Adjust the vertical hold control on your TV, if the TV features this control.

AUTO REWIND

When a tape reaches the end during recording, playback, or fast-forward, the tape will automatically rewind to the beginning. After rewinding finishes, the DVD/VCR will eject the tape.

● The DVD/VCR will not rewind the tape automatically during timer recording or One Touch Recording.

REAL TIME TAPE COUNTER

● This shows the elapsed recording or playback time in hours, minutes, and seconds. (The displayed time will not change during blank portions of the tape. The front display of DVD/VCR will show in hour, minute only.)
● The '–' indication will appear when the tape is rewound further than "0:00:00" on the tape counter.

PLAYING A DISC

BASIC PLAYBACK

| DVD | CD |

Getting started
● Turn on the power of the TV, amplifier and any other components which are connected to the DVD/VCR.
● Make sure the TV and audio receiver (commercially available) are set to the correct channel.
● Select DVD mode by pressing DVD on the remote control or output on the front panel.
● When you play NTSC disc, the NTSC signal will convert to a modified PAL signal.

1 **Press ⏻/l.**
● Check that the DVD OUTPUT Light is lit. If not, press DVD on the Remote control to switch to DVD mode.

2 **Press OPEN/CLOSE to open disc loading tray.**

3 **Place the chosen disc in the tray, with the label facing up.**
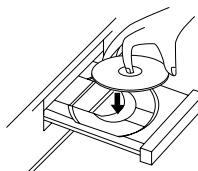
4 **Press PLAY (▶).**
● The tray will close automatically, and playback will then start from the first chapter or track of the disc. If the playback does not start automatically, press PLAY(▶).
● When you playback a DVD with a title menu recorded, it may appear on the screen. In this case, refer to "TITLE MENU" on page 30.

5 **Press STOP (■) to stop playback.**
Notes
● A "prohibited icon" ⊘ may appear at the top-right on the TV screen during operation, warning that a prohibited operation has been encountered by the DVD/VCR or the disc.
● With DVDs that use titles for playback programme signals, playback may start from the second title, or it may skip these titles.
● During the playback of a two layered disc, pictures may stop for a moment. This happens when the 1st layer switches to the 2nd layer. This is not a malfunction.

● DVDs recorded with the NTSC system can playback with this unit via a PAL system TV set. Depending on the TV, when playing back a NTSC DVD on a PAL TV, the picture may roll up or down, shrink vertically and black bars may appear both at the top and bottom of the screen.
● If a disc is dirty or has scratches, the pictures may appear distorted and the playback operation may stop. In such cases, clean the disc and unplug the power cord and then plug it again before resuming playback.

GENERAL FEATURES

DVD may contain menus to navigate the disc and access special features. Press appropriate numerical button or use Arrow (▼/▲/▶/◀) to highlight your selection in the DVD main menu and press ENTER to confirm.
Note
● Unless stated, all operations described are based on remote control use. Some operations can be carried out using the menu bar on the TV screen.

DISC NAVIGATION

| DVD |

1 **Press DISC NAVIGATION.**
DURING TITLE PLAYBACK OR WHEN RESUME IS ON:
● A shot from each chapter including the one currently being played will be displayed on the screen.
● The chapter currently being played is selected in yellow.
IN STOP MODE (RESUME OFF):
● The first scene of each chapter of the first title will be displayed.

2 **Press Arrow (▲/▼/◀/▶) to select your desired chapter.**
● Up to 6 chapters can be displayed at one time. If the title has more than 6 chapters, press SKIP ▶▶| to go to the next page. Press SKIP |◀◀ to go back to the previous page.
● You can change the title by moving up to the field where the title number is shown with Arrow (▲), and entering a title number of your choice.

3 **Press ENTER or PLAY (►).**
● Playback of the selected chapter will start.
Notes
● Pressing DISC NAVIGATION before pressing ENTER or PLAY at step 3 will cease the DISC NAVIGATION function, and the playback will be stopped. The resume information will be lost.
● When a disc menu is shown, the DISC NAVIGATION feature does not function.
● DISC NAVIGATION takes a few seconds to respond.
● With some discs, part of the DISC NAVIGATION screen may not be displayed properly. This is not a malfunction.
● Some discs do not support DISC NAVIGATION feature.
● While the DISC NAVIGATION is on the screen, the sound is muted.
● It takes about 15 seconds to display 6 shots.

PAUSE

| DVD | CD |

1 **During playback, press PAUSE/STEP (❙❙).**
● Playback will pause and sound will be muted.

2 **To continue playback, press PLAY (►).**

DISC MENU

| DVD |

1 **Press MENU.**
● The DVD main menu will appear.

2 **If the feature is not available, ⊘ symbol may appear on the TV screen.**

3 **If disc menu is available on the disc, audio language, subtitle options, chapters for the title and other options will appear for selection.**

4 **Press Arrow (▼/▲/►/◄) to select an item, and ENTER to confirm selection.**

TITLE MENU

| DVD |

1 **Press TOP MENU.**
● The title menu will appear.

2 **If the feature is not available, ⊘ symbol may appear on the TV screen.**

3 **Press Arrow (▼/▲/►/◄) to select an item, and ENTER to confirm selection.**

CALLING UP A MENU SCREEN
DURING PLAYBACK
For DVDs
● Press MENU to call up the DVD menu.
● Press TOP MENU to call up the title menu.
Note
● Contents of menus and corresponding menu operations may vary between discs. Refer to the manual accompanying the disc for details.

STEP BY STEP PLAYBACK

| DVD |

1 **During playback, press PAUSE/STEP(❙❙).**
● Playback will pause and sound will be muted.

2 **The disc goes forward by one frame each time PAUSE/STEP (❙❙) is pressed.**

3 **To exit step by step playback, press PLAY (►).**
Note
● The resume playback takes a little longer to take place compared to the normal playback.

RESUME

| DVD | CD |

1 **During playback, press STOP (■).**
● Resume message will appear on the TV screen.

2 **Press PLAY (►), playback will resume from the point at which playback was stopped.**
● To cancel resume, press STOP twice.
● If turn off the DVD/VCR, resume function cancelled.

FAST FORWARD/REVERSE SEARCH

| DVD | CD | MP3 |

1 **During playback, press ►► or ◄◄ repeatedly to select the required forward or reverse speed: x2, x8, x50, x100.**
● For audio CDs, the speed is fixed at ×16.
● For MP3, the speed is fixed at ×8.

2 **To return to normal playback, press PLAY (►).**

SLOW FORWARD / SLOW REVERSE

DVD

1 During playback, press PAUSE/STEP (❙❙).

2 Press ►► or ◄◄ .

3 Press ►► or ◄◄ repeatedly to select the required speed: 1/16, 1/8, 1/2 of the normal playback.

4 To return to normal playback, press PLAY (►).

ZOOM

DVD

The Zoom function allows you to enlarge the video image and to pan through the enlarged image.

1 Press ZOOM during playback.
● Playback will continue.

2 Press ZOOM repeatedly to select the required zoom factor: x2, x4 or OFF.

3 Use the Arrow (▲/▼/◄/►) to move the zoomed picture across the screen.

4 To exit zoom mode, press ZOOM to OFF.

Notes
● Zooming function does not work while disc menu is shown.
● x4 zoom is not available on some discs.

TRACK

CD

There are three ways to begin playback on an Audio CD at a specific Track.

Using the Numerical buttons
1 Press Numerical buttons to enter the desired Track number.
● Playback will start at the selected track.
● For single digit tracks (1-9), press a single number (eg. track 3, press 3).
● To play track 26, press +10, 2, 6 on the numerical button.

Using SEARCH MODE
1 Press SEARCH MODE.
● The track search display appears.

2 Within 30 seconds, select a desired track number using numerical buttons.
● For single digits press 0 first.
● Playback will start at the selected track.
● Press CLEAR/C.RESET to erase the incorrect input.

Using SKIP |◄◄, ►►|
During playback, press SKIP ►►| to move the next track. Press it repeatedly to skip subsequent tracks. Press SKIP |◄◄ to go back to beginning of the current track. Press it repeatedly to go to the previous tracks.
● Track number will appear briefly on the DVD/VCR display panel.
● If SKIP is pressed while the playback is paused, the playback will be paused again after skipping to the next track.
Note
● SKIP |◄◄, ►►| are not available when playback is stopped.

TITLE / CHAPTER SEARCH

DVD

1 Press SEARCH MODE once for the Chapter search, twice for the Title search during playback.

2 Enter the desired chapter/title number using numerical buttons.
● Playback will start at the selected Chapter or Title.
● Press CLEAR/C.RESET to erase the incorrect input.
● For single digits press 0 first.

TIME SEARCH

DVD   CD

1 During playback, press SEARCH MODE three times (CD: twice) to display the Time Search on the TV screen.

2 Within 30 seconds, enter a desired disc time using numerical buttons.
● Playback will start at the specified time.

3 Press CLEAR/C.RESET to erase the incorrect input.

MARKER SETUP SCREEN

DVD **CD**

Use markers to memorise your favourite places on a disc.

1 **Press SEARCH MODE four times (CD: three times) during playback.**
● The display screen and Markers will appear on the TV screen.

2 **Press Arrow (◄/►) to select 1, 2, 3, 4, 5, 6, 7, 8, 9, or 10 and ensure that "- : - - : - -" appears in the display.**

3 **When reaches the desired point, press ENTER.**
● The Title or Track and elapsed playing time will appear in the TV screen.

4 **To return to the Marker later, press SEARCH MODE four times (CD: three times) during playback and Arrow (◄/►) to choose the desired marker, then press ENTER.**

Notes
● Opening the disc tray or turning off the power or select AC at step 2 and press ENTER will erase all Markers.
● To clear a marker, using Arrow (◄/►), position the cursor on to the marker number to be cleared and press CLEAR/C.RESET.
● You can mark up to 10 points.

5 **Press SEARCH MODE or RETURN to exit.**

REPEAT

REPEAT is available only during playback.

REPEAT TITLE / CHAPTER

DVD

To activate the repeat function, press REPEAT during playback.
● The repeat mode changes as described below every time you press the button.

⊡ **CHAPTER** ⟶ ⊡ **TITLE** ⟶ ⊡ **OFF**
(**current chapter** repeat) (**current title** repeat) (repeat **off**)

Notes
● Track Repeat Title/Chapter is not available with some scenes.
● The REPEAT setting will be cleared when moving to other title or chapter.

REPEAT TRACK

CD

To activate the repeat function, press REPEAT during playback.
● The repeat mode changes as described below every time you press the button.

⊡ **TRACK** ⟶ ⊡ **ALL** ⟶ ⊡ **OFF**
(**current track** repeat) (**entire disc** repeat) (repeat **off**)

Notes
● Track repeat setting will be cleared when moving to other track.
● Repeat playback does not function during A-B REPEAT playback.

MP3

⊡ **TRACK** ⟶ ⊡ **GROUP** ⟶ ⊡ **ALL** ⟶ ⊡ **OFF**
(**current track** repeat) (**current folder** repeat) (**entire disc** repeat) (repeat **off**)
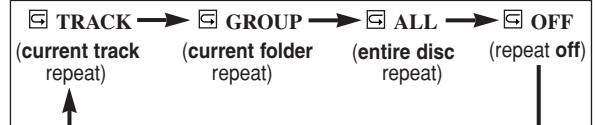
A-B REPEAT

DVD **CD**

1 **Press A-B REPEAT at your chosen starting point.**
● ⊡ A- appears briefly on the TV screen.

2 **Press A-B REPEAT again at your chosen end point.**
● ⊡ A-B appears briefly on the TV screen, and the repeat sequence begins.

3 **To exit the sequence, press A-B REPEAT.**
Notes
● The A-B REPEAT section can only be set within the current title (for DVDs), or current track (for audio CDs).
● A-B REPEAT is not available with some scenes in DVD.
● To cancel the A point which was set, press CLEAR/C.RESET.
● A-B REPEAT playback does not function during title, chapter, track or all repeat playback.

PROGRAMME

You may determine the order in which tracks will play.

1 **In stop mode, press MODE.**
● The PROGRAM screen will appear.

2 **Press Arrow (▲ / ▼) to select a track, then press ENTER.**
● Press CLEAR/C.RESET to erase the most recently entered programme.

```
PROGRAM
┌──────────────────────────┐
│ CD [AUDIO]      TOTAL 0:03:30│
│ ☐1  3:30        ☐1  3:30   │
│ ☐2  4:30                   │
│ ☐3  5:00                   │
│ ☐4  3:10                   │
│ ☐5  5:10                   │
│ ☐6  1:30                   │
│ ☐7  2:30                   │
│        ▽    1/2       1/1   │
│ ENTER                      │
│ PLAY                       │
│ CLEAR ☐1  3:30             │
└──────────────────────────┘
```
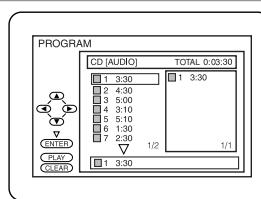
3 **Press PLAY (▶) to play the programmed tracks.**

Notes
● While the programme is being played back, the STOP works as follows.
● Press STOP (■) once and then PLAY (▶) again, playback will restart from the point where STOP was pressed. (Programme continued)
● Press STOP (■) twice and then PLAY (▶) again, playback will restart from the track in the usual way. (Programme cleared)
● Up to 99 programmes can be entered.
● If you like to repeat the current track in the programme, press REPEAT repeatedly until ⟳ TRACK appears during playback. If you like to repeat the entire programme press REPEAT repeatedly until ⟳ ALL appears during playback.

TO CLEAR THE PROGRAMME
● Open the disc loading tray, and the the programme will be cleared.

RANDOM PLAYBACK

This shuffles the playing order of tracks instead of playback in the original sequence.

1 **In stop mode, press MODE twice.**
● RANDOM screen appears.

```
RANDOM
┌──────────────────────────┐
│ CD [AUDIO]      TOTAL 0:45:55│
│                            │
│      RANDOM PROGRAM        │
│      --no indication--     │
│                            │
│ PLAY                       │
└──────────────────────────┘
```
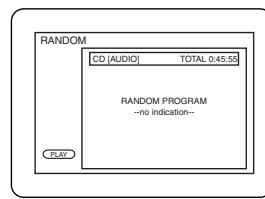
2 **Press PLAY (▶) to start random playback.**

Note
● If you like to repeat the current track in the random selection, press REPEAT repeatedly until ⟳ TRACK appears during playback. If you like to repeat the entire random selection press REPEAT repeatedly until ⟳ ALL appears during playback.

MP3 PLAYBACK

When a CD with MP3 files is inserted in the DVD/VCR, the MP3 menu will appear on the TV screen, and number of tracks is displayed on the front panel.

1 **In stop mode, press Arrow (▲/▼) to select the desired group track.**
● If a group is selected, press Arrow (▶) or ENTER to go on to the track selection screen. Press Arrow (▲/▼) to choose a track, then press PLAY (▶) or ENTER.
● If a track is selected, press PLAY (▶) or ENTER to start playing tracks. Starting from the one you've just chosen the subsequent tracks will be played.

```
FILE LIST
┌──────────────────────────┐
│ ☐FOLDER │DISC NAME         │
│ ♫MP3    │ FIRST PLAY       │
│         │ ♫ folder name    │
│         │ ♫ folder name    │
│         │ ♫ folder name    │
│         │ ♫ folder name    │
│         │ ♫ folder name    │
│ ENTER   ▽           1/2    │
│ PLAY    │ FIRST PLAY       │
└──────────────────────────┘
```

● Choose FIRST PLAY to start playback from the beginning of the listed tracks.
● Press TOP MENU to return to the first item.
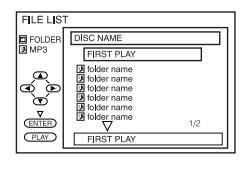
2 **Press STOP (■) to stop playback.**

Notes
● Folders are known as Groups; files are known as Tracks.
● MP3 files are accompanied by ♫ icon.
● Maximum of 255 folders can be recognised.
● Maximum of 256 files can be recognised.
● Up to 8 hierarchies can be created.
This player recommends the use of files recorded at the below specifications:
● Sampling frequency: 44.1kHz or 48kHz
● Constant bit rate: 112kbps ~ 320kbps.

ON SCREEN INFORMATION

You can check the MP3 files during playback.

1 **Press DISPLAY.**
● The name of the file currently in play will be displayed.

2 **Press DISPLAY again to show the track number, the repeat status, and the playback status at the top of the screen.**

● ⟳ will be displayed when repeat play has been selected.

⟳T - indicates Track repeat

⟳G - indicates Group (folder) repeat

⟳A - indicates ALL repeat

3 **Press DISPLAY again to exit.**

English

TRACK SELECTION

MP3

1 **Press SEARCH MODE during playback.**
● The FILE LIST will appear.

2 **Select a desired track using Arrow (▲/▼/◄/►).**
● Press Arrow (►) when you want to go to the next hierarchy.
● Press Arrow (◄) when you want to go back to the previous hierarchy.

3 **Press PLAY (►) to start playing.**
Notes
● Press SEARCH MODE to EXIT.
● Some selections may take a while to be recognised.

RANDOM PLAYBACK

MP3

1 **In stop mode, press MODE twice.**

2 **Press PLAY (►) to play the tracks in random order.**

PROGRAMME

MP3

This feature allows you to programme a mp3 disc to play in a desired sequence.

1 **Press MODE during playback is stopped.**
● The PROGRAM screen will appear.

2 **Press Arrow (▲/▼) to select a track, then press ENTER, to save it in a programme.**
● Press CLEAR/C.RESET to erase the incorrect input.

3 **Press PLAY (►) to start programmed playback.**

AUDIO LANGUAGE

DVD

The DVD/VCR allows you to select a language during DVD disc (if multi language available) playback.

1 **Press AUDIO during playback.**

2 **Press AUDIO repeatedly to select your desired language.**
Notes
● Pressing AUDIO may not work on some DVDs with multiple audio languages (e.g. DVDs which allow audio language setting on the disc menu).

● Some discs allow audio language setting on the disc menu. (Operation varies between discs, so refer to the manual accompanying the disc.)
● If you choose a Language that has a 3 letter language code, the code will be displayed every time you change the audio language setting. If you choose any other languages, '---' will be displayed instead. (Refer to page 38)

STEREO SOUND MODE

CD

1 **Press AUDIO repeatedly during playback to select between STEREO, L-CH or R-CH.**
● STEREO - both right and left channels are active (stereo)
  L-CH - only left channel is active
  R-CH - only right channel is active
Note
● If the Virtual Surround setting is 1 or 2, the sound mode will be fixed to STEREO, and can not be changed.

SUBTITLE LANGUAGE

DVD

The DVD allows you to select a language for subtitles during DVD disc (if available) playback.

1 **Press SUBTITLE during playback.**

2 **Press SUBTITLE repeatedly to select your desired subtitle language.**
● The subtitle language will be displayed on the display bar at the top of the screen.

3 **To turn off subtitles, press SUBTITLE repeatedly until OFF appears.**
Notes
● Some discs allow subtitle language setting on the disc menu. (Operation varies between discs, so refer to the manual accompanying the disc.)
● If the desired language is not shown after pressing SUBTITLE several times, the disc does not have subtitles in that language.
● If you choose a Language that has a 3 letter language code, the code will be displayed every time you change the Subtitle language setting. If you choose any other languages, '---' will be displayed instead. (Refer to page 38.)
● It may take time to display the subtitles in the selected language.

CAMERA ANGLE

DVD

Some DVD discs contain scenes which have been shot simultaneously from various angles. You can change the camera angle when the (☺) mark appears on the screen.

1   **Press ANGLE during playback.**

● The selected angle will be displayed on the display bar at the top of the screen.

2   **Press ANGLE repeatedly to select your desired angle.**

CHANGING THE ON SCREEN DISPLAY

DVD   CD

You can check the information about the current disc by pressing DISPLAY on the remote control.

For DVDs

1   **Press DISPLAY during playback to show current Chapter.**

● The elapsed and remaining playing time of the current chapter will be displayed.

`9/49  0:00:00 -0:00:00   ▶`
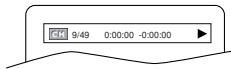
2   **Press DISPLAY again to show current Title.**

● The elapsed and remaining playing time of the current title will be displayed.

3   **Press DISPLAY third time.**

● The BIT RATE and the current repeat setting will be displayed.

● If you are playing a dual layered disc, the layer number will also be displayed (L0: Layer 0 is playing. L1: Layer 1 is playing).

4   **Press DISPLAY the fourth time to remove the display.**

For audio CDs

1   **Press DISPLAY during playback, the current Track will be displayed on the TV screen.**

● The elapsed and remaining playing time of the current track will be displayed.

2   **Press DISPLAY again to show current Total Track.**

● The elapsed and remaining playing time of the current total track will be displayed.

3   **Press DISPLAY third time to remove the display.**

PARENTAL CONTROL

DVD

Parental Control limits the disc viewing that exceed your settings. (with a password or playback will stop.) This feature allows you to prevent discs with Adult content being played back by your children.

RATING LEVEL

Rating Level allows you to set the rating level of your DVD discs. Playback will stop if the disc's ratings exceed the level you set.

1   **Press SETUP in STOP mode.**

2   **Press Arrow (▶) to select CUSTOM, then press ENTER.**

3   **Press Arrow (◀/▶) to select PARENTAL, then press ENTER.**

PARENTAL
RATING LEVEL   ALL
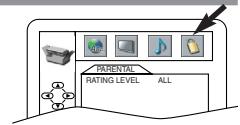
4   **Enter your four-digit password then press ENTER.**

5   **Press Arrow (▲/▼) to select RATING LEVEL, then press ENTER.**

6   **Press Arrow (▲/▼) to select the desired level, then press ENTER.**

7   **Press SETUP to exit**

Notes

● When doing this for the first time, enter any 4 digits. (except for 4737) That number will be used as the password from the second time onward. (in the event you forget the password, see below.)

● To change the password, press Arrow (▲/▼) to select CHANGE, then press ENTER. Enter the four-digit password, then press ENTER.

● With some DVDs, it may be difficult to find if they are compatible with parental lock. Be sure to check if the parental lock function operates in the way that you have set.

● Record the password in case you forget it.

IF YOU FORGET THE PASSWORD

1   **Press 4, 7, 3, 7 at step 4.**

● Password will be cleared and parental level will be set to ALL.

2   **Proceed the above Steps 4-6 again.**

RATING LEVELS

● **ALL**

All parental lock is cancelled.

● **Level 8**

DVD software of any grade (adult/general/children) can be played back.

● **Levels 7 to 2**

Only DVD software intended for general use and children can be played back.

● **Level 1**

Only DVD software intended for children can be played back, with those intended for adult and general use prohibited.

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AUDIO SETTINGS

Choose the appropriate Audio settings for your equipment as it only affect during the playback of DVD discs.

1 **Press SETUP in STOP mode.**

2 **Press Arrow (▶) to select CUSTOM, then press ENTER.**
● CUSTOM mode will appear.

3 **Press Arrow (◀/▶) to select AUDIO, then press ENTER to confirm.**
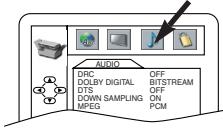
4 **Press Arrow (▲/▼) to select the below items, then press ENTER.**

DRC (Dynamic Range Control):
● To compress the range of sound volume.
● The default setting is OFF.
● This function is effective only for the sound recorded by Dolby Digital recording.

Dolby Digital: QUICK
Set to BITSTREAM when the unit is connected to a Dolby Digital Decoder.
(BITSTREAM: Output by Dolby Digital)
(PCM: Convert the Dolby Digital to PCM)
● The default setting is BITSTREAM.
DTS
Set to BITSTREAM when the unit is connected to DTS Decoder.
● The default setting is OFF.
DOWN SAMPLING:
● Set to ON when outputting in 48 kHz.
● The default setting is ON.
When playing disc with copyright Protection
● If you select OFF, copyright protection will be activated and sound will be down sampled at 48kHz.
MPEG:
BITSTREAM : Output by MPEG sound
PCM : Convert the MPEG to PCM
Set to BITSTREAM when the unit is connected to MPEG Decoder.
● The default setting is PCM.

5 **Press SETUP to exit.**

VIRTUAL SURROUND

| DVD | CD | MP3 |

You can enjoy stereophonic Virtual Surround Effects from your existing stereo system.

1 **Press SURROUND during playback.**
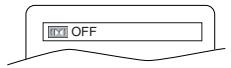
2 **Press SURROUND to set it 1 (Natural effect) or 2 (Emphasised effect) or OFF.**

3 **Press MODE or RETURN to exit.**
Note (for CD play only)
● Virtual Surround will not be effective if the sound mode is set to something other than STEREO.
● Turn down the level or turn it "OFF" if the sound is distorted.

DISPLAY SETTING

| DVD |

You can change certain aspects of the DVD display screens, On screen messages and the display panel on the front of the DVD/VCR.

1 **Press SETUP in STOP mode.**

2 **Press Arrow (▶) to select CUSTOM, then press ENTER.**
● CUSTOM mode will appear.

3 **Press Arrow (◀/▶) to select DISPLAY, then press ENTER to confirm.**
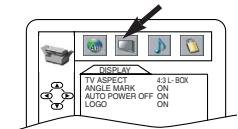
4 **Press Arrow (▲/▼) to select the below items, then press ENTER.**

TV ASPECT: QUICK

● Press Arrow (▲/▼) for an item selection, then press ENTER.
● Select 4:3 LETTER BOX for a black bars appears on top and bottom of the screen.
● Select 4:3 PAN - SCAN for a full height picture with both sides trimmed.
● Select 16:9 WIDE if a wide-screen TV is connected to the DVD/VCR.
● The default setting is 4:3 LETTER BOX.

ANGLE MARK:

● Press ENTER repeatedly to turn Angle mark ON or OFF.
● The default setting is ON.

AUTO POWER OFF:

● Press ENTER repeatedly to turn Auto Power off ON or OFF.
● The default setting is ON and it will turn the DVD/VCR to off automatically after 35 minutes of no use.

LOGO:

● Press ENTER to switch ON (opening picture)/ OFF(black).
● The default setting is ON.

5 **Press SETUP to exit.**

LANGUAGE SETTING

DVD

Language options are not available with some discs.

1 **Press SETUP in STOP mode.**

2 **Press Arrow (▶) to select CUSTOM, then press ENTER.**
● CUSTOM mode will appear.

3 **Press Arrow (◀/▶) to select LANGUAGE, then press ENTER to confirm.**
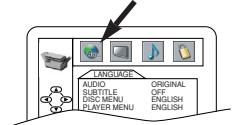
4 **Press Arrow (▲/▼) to select the below items, then press ENTER.**
● If you want to return to LANGUAGE SETTING MENU, press Arrow(◀).

AUDIO:
● Sets the audio language.
SUBTITLE:
● Sets the subtitle language.
DISC MENU:
● Sets the language for DVD menu.

PLAYER MENU: QUICK

● Sets the language for the On screen display.

5 **Press Arrow (▲/▼) to select a setting, then press ENTER.**
● If OTHERS is selected on the AUDIO, SUBTITLE or DISC MENU screen, press four-digit number to enter the code for the desired language. (Refer to the language code list below.)
● Only the languages supported by the disc can be selected.

6 **Press SETUP to exit.**

Note
● Language Setting for Audio and Subtitle is not available with some discs. Then use the AUDIO and the SUBTITLE button. Details are on page 34.

Language	Code	Language	Code	Language	Code	Language	Code
A-B		French [FRE]	5264	Macedonian	5957	Siswat	6565
Abkhazian	4748	Frisian	5271	Malagasy	5953	Slovak	6557
Afar	4747	Galician	5358	Malay	5965	Slovenian	6558
Afrikaans	4752	Georgian	5747	Malayalam	5958	Somali	6561
Albanian	6563	German [GER]	5051	Maltese	5966	Spanish [SPA]	5165
Amharic	4759	Greek [GRE]	5158	Maori	5955	Sundanese	6567
Arabic	4764	Greenlandic	5758	Marathi	5964	Swahili	6569
Armenian	5471	Guarani	5360	Moldavian	5961	Swedish [SWE]	6568
Assamese	4765	Gujarati	5367	Mongolian	5960	**T**	
Aymara	4771	Hausa	5447	Nauru	6047	Tagalog	6658
Azerbaijani	4772	Hebrew	5569	Nepali	6051	Tajik	6653
Bashkir	4847	Hindi	5455	Norwegian [NOR]	6061	Tamil	6647
Basque	5167	Hungarian [HUN]	5467	**O-R**		Tatar	6666
Bengali;Bangla	4860	**I-K**		Occitan	6149	Telugu	6651
Bhutani	5072	Icelandic [ICE]	5565	Oriya	6164	Thai	6654
Bihari	4854	Indonesian	5560	Oromo(Afan)	6159	Tibetan	4861
Bislama	4855	Interlingua	5547	Panjabi	6247	Tigrinya	6655
Breton	4864	Interlingue	5551	Pashto;Pushto	6265	Tonga	6661
Bulgarian	4853	Inupiak	5557	Persian	5247	Tsonga	6665
Burmese	5971	Irish [IRI]	5347	Polish	6258	Turkish [TUR]	6664
Byelorussian	4851	Italian [ITA]	5566	Portuguese [POR]	6266	Turkmen	6657
C-E		Japanese [JPN]	5647	Quechua	6367	Twi	6669
Cambodian	5759	Javanese	5669	Rhaeto-Romance	6459	**U-Z**	
Catalan	4947	Kannada	5760	Romanian [RUM]	6461	Ukrainian	6757
Chinese [CHI]	7254	Kashmiri	5765	Russian [RUS]	6467	Urdu	6764
Corsican	4961	Kazakh	5757	**S**		Uzbek	6772
Croatian	5464	Kinyarwanda	6469	Samoan	6559	Vietnamese	6855
Czech	4965	Kirghiz	5771	Sangho	6553	Volapuk	6861
Danish [DAN]	5047	Kirundi	6460	Sanskrit	6547	Welsh	4971
Dutch [DUT]	6058	Korean [KOR]	5761	Scots Gaelic	5350	Wolof	6961
English [ENG]	5160	Kurdish	5767	Serbian	6564	Xhosa	7054
Esperanto	5161	**L-N**		Serbo-Croatian	6554	Yiddish	5655
Estonian	5166	Laothian	5861	Sesotho	6566	Yoruba	7161
F-H		Latin	5847	Setswana	6660	Zulu	7267
Faroese	5261	Latvian;Lettish	5868	Shona	6560		
Fiji	5256	Lingala	5860	Sindhi	6550		
Finnish [FIN]	5255	Lithuanian	5866	Singhalese	6555		

If you choose a Language that has a 3 letter language code, the code will be displayed every time you change the Audio or Subtitle language setting on page 34. If you choose any other languages, '---' will be displayed instead. (3 letter language code is written in bracket.)

TROUBLESHOOTING GUIDE

If the DVD/VCR does not perform properly when operated as instructed in this Owner's Manual, check the DVD/VCR consulting the following checklist.

	PROBLEM	CORRECTIVE ACTION
D V D / V C R	No power.	• Make sure the power plug is connected to an AC outlet. • Make sure the power is turned on.
	The DVD/VCR does not respond to the remote control.	• Check if the power plug is connected to an AC outlet. • Check the batteries in the remote control. • Aim the remote control directly at the remote sensor. If necessary, remove all the obstacles between the sensor and the remote. • You have to be within 7m of the DVD/VCR. • Check if the correct mode is selected. If not switch the mode by pressing DVD or VCR, whichever you need, on the remote control. • Check if a cassette tape is in the VCR.
V C R	Timer recording is impossible.	• Make sure the timer recording is set correctly. • Make sure the DVD/VCR clock is set correctly.
	Cannot go into Record mode.	• Make sure the tape has a safety tab. If needed, cover the hole with cellophane tape. • Put the DVD/VCR in VCR mode. Press VCR on the remote control so that the green VCR OUTPUT light is lit.
	Playback picture is partially noisy Cannot view a tape but the audio is OK·	• Adjust tracking control for a better picture by pressing PROG (▲/▼) on the DVD/VCR. • Head cleaning may be necessary. Refer to "AUTO HEAD CLEANING" . • Make sure the DVD/VCR is not in the Menu mode.
	No, or poor, playback picture.	• See you TV if the video channel is selected. • Fine tune your TV.
	TV programs cannot be seen normally.	• Press VCR. • Press VCR on the remote control to put it in the VCR mode. Check if the green VCR OUTPUT light is lit. Then, set it to the TV position by pressing VCR/TV.
	Video or color fades in and out when making a copy of a video tape.	• You cannot copy a copyrighted video tape. You are experiencing copy guard protection.
	Cannot remove the tape.	• Check if the DVD/VCR is in the VCR mode. If not, press VCR on the remote control to switch the mode.
D V D	No picture.	• Connect the video cables firmly. • Insert a correct video disc that plays on this DVD/VCR. • Press DVD on the remote control. Check if the DVD OUTPUT Light is lit. Then try other DVD feature. • Check if the progressive switch is set correctly according to your TV.
	Disc cannot be played.	• Insert the disc. • Clean the disc. • Place the disc correctly, with the label side up. • Cancel the parental lock or change the rating level.
	No sound·	• Connect the audio cables firmly. • Turn the power of the audio component on. • Correct the audio output settings. • Correct the input settings on the audio component.
	Distorted picture.	• Connect the DVD/VCR directly to the TV. • There are some cases where pictures may be slightly distorted, which are not a sign of a malfunction. • Although pictures may stop for a moment, this is not a malfunction.
	Audio or subtitle language does not match the set up.	• The selected language is not available for audio or subtitles on the DVD disc. This is not a malfunction
	The camera angle cannot be changed.	• The DVD disc does not contain sequences recorded from different camera angles. This is not a malfunction
	Audio or subtitle language cannot be changed.	• The DVD disc does not contain audio source or subtitles in the selected language. This is not a malfunction.
	"Prohibited icon" appears on the screen, prohibiting an operation.	• That operation is prohibited by the DVD/VCR or the disc. This is not a malfunction.
	No DTS audio at analogue output	• Use a DIGITAL AUDIO OUTPUT jack when outputting the DTS audio.

Notes

Some functions are not available in specific modes, but this is not a malfunction. Read the description in this Owner's Manual for details on correct operations.
● Playback from a desired track and random playback are not available during programme playback.

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MAINTENANCE

SERVICING

● Should your DVD/VCR become inoperative, do not try to correct the problem by yourself. There are no user-serviceable parts inside. Turn off, unplug the power cord, and please contact the Hitachi dealer who supplied the product or call the Hitachi helpline to locate an Authorized Service Center.

CLEANING THE CABINET

● Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

CLEANING DISCS

● When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center out. Do not wipe in a circular motion.
● Do not use solvents such as benzine, thinner, commercially available cleaners, detergent, abrasive cleaning agents or antistatic spray intended for analogue records.

CLEANING THE DISC LENS

● If the DVD/VCR still does not perform properly when it is operated while referring to the relevant sections and to "TROUBLESHOOTING GUIDE" in this Owner's Manual, the laser optical pickup unit may be dirty. Consult your dealer or an Authorized Service Center for inspection and cleaning of the laser optical pickup unit.

AUTO HEAD CLEANING

• Automatically cleans video heads as you insert or remove a cassette, so you can see a clear picture.
• Playback picture may become blurred or interrupted while the TV programme reception is clear. Dirt accumulated on the video heads after long periods of use, or the usage of rental or worn tapes can cause this problem. If a streaky or snowy picture appears during playback, the video heads in your DVD/VCR may need to be cleaned.

1. Please visit your local Audio/Video store and purchase a good quality VHS Video Head Cleaner.

2. If a Video Head Cleaner does not solve the problem, consult our nearest Authorized Service Center.

NOTES:

• Remember to read the instructions included with the video head cleaner before use.
• Clean video heads only when problems occur.

DISC HANDLING

● Use discs which have the following logos on them. (Optical audio digital discs.)

● Handle the discs so that fingerprints and dust do not adhere to the surfaces of the discs.

● Always store the disc in its protective case when it is not used.

● To clean-off, use a soft cloth.

● Do not use a hard cloth since this will mar the disc.

● Wipe the disc in a straight line from center to edge.

● Never wipe with a circular motion.

● Do not use detergent or abrasive cleaning agents.
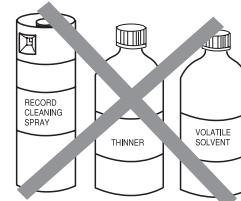
Make your contribution to the environment!!!
• Used up batteries do not belong in the dust bin.
• You can dispose of them at a collection point for used up batteries or special waste. Contact your council for details.

EN
2C15

SPECIFICATIONS

Product type:	DVD/VCR Combo (DVD player with Video Cassette Recorder)
Discs:	DVD video Audio CD Video Cassette tape
Converter output:	UHF Channel 22 ~ 69
Power source:	220 - 240 V ~ +/- 10%, 50 Hz +/- 0.5%
Power consumption:	30 W (standby: 9.0 W)
Operating temperature:	41°F(5°C) to 104°(F40°C)
Dimensions:	W 17-1/8" (435 mm)
	H 3-7/8" (99 mm)
	D 8-9/16" (218 mm)
Weight:	8.4 lbs (3.8 kg)

● **Designs and specifications are subject to change without notice.**

● **If there is a discrepancy between languages, the default language will be English.**

SUBSIDIARY INFORMATION

SOME DOS AND DON'TS ON THE SAFE USE OF EQUIPMENT

This equipment has been designed and manufactured to meet international safety standards but like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.

★★★★★★★★★★★

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections (including the mains plug, extension leads and interconnection between pieces of equipment) are properly made and in accordance with the manufacturer's instructions.

Switch off and withdraw the mains plug when making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels or doors on equipment.

★★★★★★★★★★★

DON'T continue to operate the equipment if you are in any doubt about it working normally, or if it is damaged in any way switch off, withdraw the mains plug and consult your dealer.

DON'T remove any fixed cover as this may expose dangerous voltages.

DON'T leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure that your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.

DON'T use equipment such as personal stereos or radios so that you are distracted from the requirements of traffic safety. It is illegal to watch television whilst driving.

DON'T listen to headphones at high volume, as such use can permanently damage your hearing.

DON'T obstruct the ventilation of the equipment, for example with curtains or soft furnishings.

Overheating will cause damage and shorten the life of the equipment.

DON'T use makeshift stands and NEVER fix legs with wood screws — to ensure complete safety always fix the manufacturer's approved stand or legs with the fixings provided according to the instructions.

DON'T allow electrical equipment to be exposed to rain or moisture.

ABOVE ALL

---NEVER let anyone especially children push anything into holes, slots or any other opening in the case — this could result fatal electrical shock:

---NEVER guess or take chances with electrical equipment of any kind.

---it is better to be safe than sorry!

★★★★★★★★★★★

MEMO

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